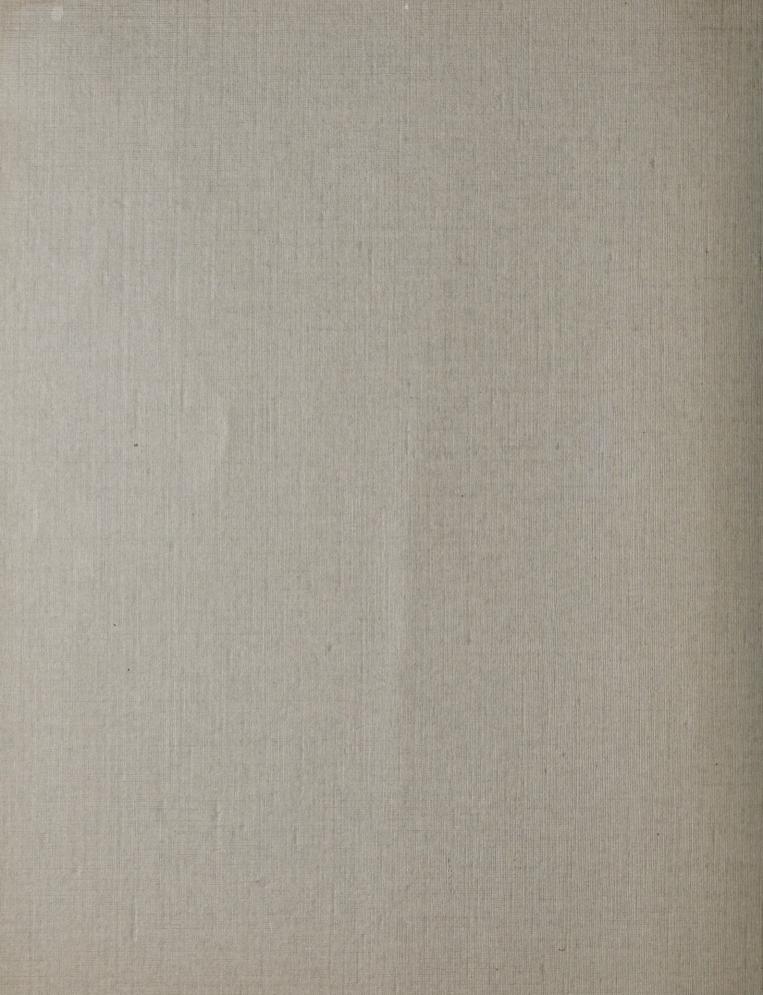
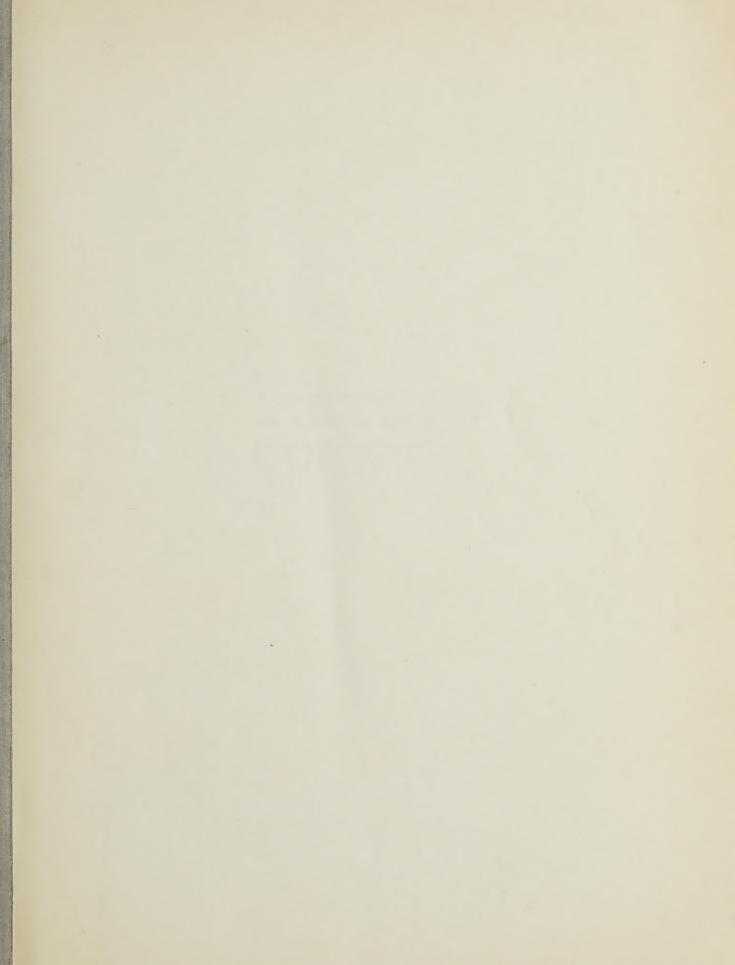


GENERAL REPORT

ST. LAWRENCE SYSTEM

JOSEPH H. W. BOWER
SECRETARY







COPY FOR ENCLOSURE TO

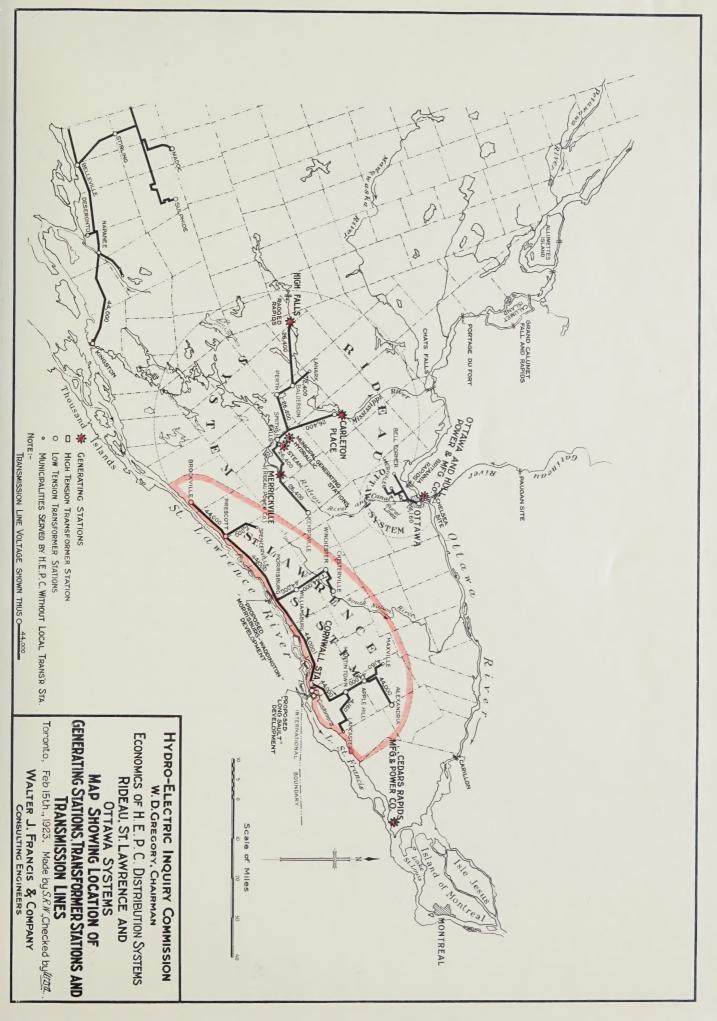
ST. LAWRENCE SYSTEM

COPY

COPY FOR ENCLOSURE TO

Map Showing Location of





Digitized by the Internet Archive in 2023 with funding from University of Toronto

INDEX TO SECREDARY'S REPORT

ON THE

ST. LAURENCE SYSTEM.

Subject and American	Page
Letter of Presentation	
Historical Sketch	1
Physical testes sees and Consents Desay	4.9
Basarel Inversees a variety was a second of the second of the	
Generating Station and Other Sources	44
Reserves for Shaking Trad of Power Supply	4
Miscellaneous Power Plants in the District	5
Transmission Cines D.V	5
Transforming and Distributing Stations	6
Local Distributing Systems	TOWN THE PARTY OF
General Sconomics	
Capital Investment	7
Reserve for Renewals	8
Reserve for Sinking Fund	10
Reserve for Contingencies	11
Accounts with Municipalities	12
Results of Operation	14
Add Powor Data	15.55
Population Served	24
Market Statistics	26
Growth of Market and Ultimate Sources	
of Power Supply	26
Horse-Power Developed, Consumed, Billed, etc	30
Power Situation	30
General Relations	
Relations with Cornwall	32
Relations Between the Commission and the	
M. F. Beach Company of Iroquois	40

YEDSHE E TRACTEDES OF YEDER

HHY WO

AND BYN KOMBENGE, WEBSIEL

640,65	the transfer of the transfer o	nin de state e i i i i	September of the	a had sometiment distances control	Post
etter of Fresentation					
· · · · · · · · · dosoxi Lapluctal		* *	A G	*	£.
Leoleys					
Constant Station and Other Son	density .				4
es at aduals rewes anconsticue in	A Read of the second	- 19	A 9	66	
nt hi soust langs successing in	****	6 W	* *	*	
· · · V. G (confidence of the second	15 15 12 15 15 15 15 15 15 15 15 15 15 15 15 15	. 4	10 14	150	či.
Transforming and Distortion It			* *		a a
Look Dietributing dynama	* * * *	4	A G	(*)	697
aglaquoon lorong					
duesteeval ladiged	10 01 10 III	n a	0 0	9	F
Reserve for Renewals	A & M M	9	60 37	@	3
Reserve for Sinking Fund		D 00	0 16	-0	L
Reserve for Contingencies	0 9 0 4	. 0	4 0		I.I.
. asitilagiolaud dita ataucool	4 4 4 4	9 49	N 9	-	S.A.
Boltsrego to offsmed	6 9 9 9		p v	*	
Portor Data					* **>
Population Served	0 0 0 0	a (4)	a 10	OS .	
Market Statistics	4 4 4 4	2	级 6	a	38
famitiv or market and virtues	connecez				
rot to	Jupply .	6 6	8 10	96	a Sale
Horse-Power Developed, Coner	e bolile el	10 0	* 0 8	-	18
Power Mitantion	a + 0 +	100	ti ni	14	16
eneral Reletions					
Reloctions with Cornwall	e e e e	8	the to	tie .	SEE SEE
Relations Between the Cormicator	HOLE IN THE				

INDEX (Con't)

Subject on the Districtions of Alexander States and branch advanced to	Pag
Sumary	
Commission does not Generate Power	43
Reserve for Sinking Fund	44
Results of Condition I was a service of Power Costs	
Estimated and Actual Londs	47
Population Served and Growth of Market	48 48 49
Relations with the H. J. Beach Company	52
Addends powiece in the engine is an electric enterest and the enterest	
whether removed parts to the restore the countries against	

Demontary of China to the Company of the Company of

PARTY SUPPLEMENT WALL BY STORY OF THE PARTY OF THE PARTY

repriesa de la participa de la composición dela composición de la composición de la composición de la composición dela composición de la composición de la composición de la composición dela composición dela compos

《德學》的數句: 第775 中国

Town sing does done depose a des. The b ittel lavor twomb access to the 8.1 AA Recered for Stateley Fund 品品 was a company and the contract of the contract Barby. e a constant and and an entre of the constant of Fr.An 24.30 200 - + + - - - Blast Easter has been lest 李章 . . . MINOU IMPOUNDE BEST STEEL 43 12 de 80 想象

the standard of the seast doubtest a company and the seasons of th

· alist to be the second of the first the second of the se

包急

e de la companya de l La companya de la co

28

Toronto, Ontario, May 4th, 1 9 2 3.

Hydro-Electric Inquiry Commission, W. D. Gregory, Esq., Chairman, Toronto, Ontario.

re: General Report - St. Lawrence System

Mr. Chairman and Gentlemen:-

In accordance with your instructions, a general report on the St. Lawrence System has been made, along the lines approved of by the Commission on Wanuary 2nd. The work has been done under my direct personal supervision as per your instructions.

The reports of Hesses. Price, Naterhouse & Company and Messes. Clarkson, Gordon & Dilworth, together with the report on this system by the Commission's Consulting Engineer, Mr. Walter J. Francis, have been used in the preparation of this report, and in addition complete studies have been made of all evidence taken at the public hearing held in connection with the system.

The toport talk naturally into two parts. The first part includes dections entitled "Historical Sketch", "Physical", "General Economics", and "General Relations". Those sections are largely a recital of facts, but in addition a considerable amount of evidence has been quoted in order to fairly represent the claims and counter-claims made in connection with the contentious matters brought to the attention of the Commission. The second part of the report entitled "Summary" is morely intended to direct attention to those points which appear to require special consideration by the Commission.

Particular attention is directed to a sub-section of the report entitled "Addenda", which deals with the revision recently made in the reserve for renewals account.

all figures used in this report have been carefully checked by a representative of Mesers. Price, Waterhouse & Company. Evidence and reports forming the basis of this report are appended hereto, and in order to facilitate reference to the documents in question, on the right-hand margin of the report throughout will be found abbreviated references.

Yours very truly

Jecretary

JEWB/G.

Corratto Cataria:

u de desembre Haire Chaire. Fernale Jakario.

mirch Atalonal and a father language and

mr. Chalman and bongland . TH

A TO T. T. I AND TO AND A POPULAR OF THE TOTAL AND A T

The reported of livery of livers of

COPY FOR ENCLOSURE TO

ST. LARRENGE AKSTUR

HISTORICAL SKETCH

At a meeting held in Brockville in December, 1910, at which representatives of various municipalities from Mapanes to Morrisburg were present, the Mydro-Electric Power Commission of Ontaric was requested to submit estimates for the supply of power to the district. Estimates based on an optional contract for the supply of power from Waddington, New York, were prepared and submitted to Brock-ville towards the end of 1911. Early in 1912, the municipalities of Prescott and Prockville arranged to take power from the Commission, so these municipalities formed the nucleus of the present St. Lawrence System.

WJF.

Hew York, was never completed, but a power supply was obtained from the Hapids Power Jompany (New York & Ontario Power Company) at Morrisburg. Heanwhile Chesterville and Winchester carried by-laws for the supply of power and by Movember 1913, the Commission had forty-five miles of transmission line either in operation or under contract.

var.

During the year 1914. Prescott, Sinchester and Chesterville were supplied with power and in April 1915. Brockville and Silliamsburg were supplied. At this time, the source of supply of power was changed from the New York & Onterio Power Company at Korrisburg to the H. F. Beach

ලක් කුරුම්ට්ලයක් සි කිර

The second secon

The state of the s

-0.100 -0.100 -0.100 -0.100 -0.100

AND DESCRIPTION OF THE PARTY OF

THE STATE OF THE S

eren 1 wir march beward

genes assentable for the first seems who have been the

AND RESIDENCE OF THE PARTY OF T

Berne as the ends of grantelement is commonly mount whereast &

Company at Iroqueis. In 1916, the demand for power increased to such an extent that the generating plant of the M. P. Beach Company was insufficient to catisfy the demand and necessitated the operation of the municipal steam auxiliary plant at Brockville in parallel with the plant at Iroquois. This operating arrangement was carried out throughout 1918, but with the increasing load and a shortage of power, the Commission was forced to change its source of power supply to the Cedars Sapids Transmission Company in May, 1919, and this arrangement has continued to the present time.

WJF. p. 6.

In 1921, the municipalities of Alexandria, Maxville, Apple Hill, Martiutorn and Hangaster joined the system along with a large private consumer, the Cornwall Pulp and Paper Company. The company, however, went into liquidation after a short period of operation, so that the power contract was of no value to the system and the company is still indebted to the Commission.

D. 7.

In 1922, the Eugene P. Phillips Blectrical Works, Limited, established a factory in Brookville, and concluded a contract for a large supply of power from the Commission. This necessitated a remodelling and strengthening of the transmission lines to Brockville and also the installation of larger transformers at the Cornwall substation.

WJF. D.7.

ET. 1656

Certain rural lines were constructed from Chesterville to Brockville in this year, and further additional lines are in contemplation and under construction at the present time

and the property of the second second

-6

. TE 10

k

W-12

λ

RE 1922 DAS TREETED OF ALGERTA, MUSERALES, MUSERIA, MUSER

 under the provisions of the Eural Hydro Electric Distribution Act, 1921 (11 Geo. /, Jap. 21).

XXXXXXXX

2.4.

at the present time about ten municipalities are being supplied by the system, as well
as a small number of individual consumers some of
whom require large blocks of power.

the court of the c

9.7.

20.00

COPY

public II come Dated Theorem in management (settles).

that had been badden out them. They been reported that make the state of

LOUGH DOWN THE PROPERTY AND TO ADMINISTRATE AND THE PARTY OF

Carried Countries Countries and Countries an

.

, , , '

7 (9,) - , , , , ,

ార్క్ష్ లా

COPY

strong he small make within the line.

PRISLEAN CONTRACTOR

as that serving the district adjacent to the St. Lawrence River, comprising portions of the Counties of Glengarry, Stermont, Dundas, Granville and Leeds. At the present time the transmission lines extend from Alexandria on the east to Brookville on the west, and northwards from the river front as far as Maxville, Chesterville and Winchester.

vJP. p.0.

Lawrence System and also gives the names of the principal centres concerned. The Polyhows the Ottawa System and the Rideau System which are adjacent to the St. Lawrence System to the northwards, and which at some time may be interconnected with it.

wJF.

Speaking broadly, the St. Lawrence System consists of a large transforming station situated near Cornwall, a system of transmission lines and transforming stations serving ten municipalities, and some rural lines.

wJF. p.9.

Generating Station and Other Sources of Power Supply

Strictly speaking there are no local generating stations which are used as a regular source of supply for the St. Lawrence System. As the entire power supply is purchased for use on this system the main receiving and transforming station near Cornwall may be considered as the point of

.

. .

o 13 19 TH

2 60 00 60

2 A B X B X B A 3

Generation lead notion dentered

publicating has been exact paragraph and the scale of the party property of the paragraph and the scale of th

5

generation for the St. Lawrence System. Until 1922 this station contained four 1.250 h.v.a. transformers stepping down the voltage from 110,000 volts to 26,400 volts. During 1922 these transformers were replaced by four others such of 5.000 K.V.A.. capacity which are now so connected as to give 44,000 volts on the secondary, or low voltage side. The station has been remodelled where necessary to suit the FATE THE SCHOOL CAR ST A REPORT AND ADDRESS. new transformers and is amply large at the present time to serve the needs of the district for some time to come.

WJW. D.9.

Miscellaneous Power Plants in the DistrEt D

Print hand make he has probably at \$1000

A table of miscellaneous power plants in the St. Lawrence System territory is shown on page 12 of our Conof second part has an employed by the mental and have been as sulting Engineer's report.

Transmission Lines

Up to October 31st, 1922, the Commission was operating high voltage transmission lines forming a 44,000volt system from alexandria on the east to Brockville on the west, with a number of branches to such points as "inchaster and Chesterville. A few localities are supplied by means of the usual rural lines. The transmission system. comprises a total of about 144 miles of lines constructed on wooden poles, and presents no extraordinary features. Considerable extensions to the rural lines are contemplated for 1923.

WJF. p.14 79

and some for the large material by state and the lift is the

THE RESIDENCE OF THE PARTY OF T

THE STATE OF THE S

serve the needs of the district for some than to come.

men transferment and to amply large at the property line

all amount mount assemblished

all wir at meanly rever processit votice

which the did not be an order to be a position of the position

ASSESSMENT OF THE PERSON.

the property of their twenty of the

opering high voluments on lines in lines a house of the opering a decide opering of the opering ope

TALL BY SALES AND A STREET OF THE PARTY OF T

to the season and the

. Hotels acistiment of annil letur lane of to cases on the core and th

on wooden pules, and presente on extensioner we destricted and destricted destricted and destric

0 12 12 15° 10

WHEN SHY

Transforming and Distributing Stations

The transmission system foods the Various municipalities and individual consumers at low voltage through substations. A list of these substations is shown on page 15 of our Consulting Engineer's report.

SERVICE BE DESCRIBE THE PERSON OF THE PERSON OF THE PERSON NAMED IN COLUMN TWO

Local Distributing Systems

mentioned and sundry individual customers such as the Howard Smith Paper Mills, Limited, there are no municipalities on the St. Lawrence System in which the Commission distributes retail power to the Condumers. The Commission acts as a wholesale distributor and in all the municipalities the electricity is distributed by the municipality itself or by local commissions in the municipalities.

The same or the Child while on the said I be payed where him apprint

ness reache on a come three prisons during a local of these printer, make

consists insulying anyther has been comprisely a

Name of Adaptive State of Street Stre

THE RESIDENCE THE REAL PROPERTY AND ADDRESS OF THE REAL PROPERTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF

relies to a deres blives to the second the second

ARREST PROPERTY AND PERSONS ASSESSMENT THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.

Department of the last of the

THE RESERVE ASSESSMENT OF THE PARTY OF TAXABLE PARTY OF THE PARTY OF TAXABLE PARTY.

to the realizer placed reads the mount by making

the Add of Street and heart have a new local party of the last of

WJF. p.15

. 1 5 50

E

ended to be locked to the sales to the

amerave pairodinsaid forc.

Constitution of the control of the c

COPY FOR ENCLOSURE TO

SHERAL MOONOMICS

Capital Investment

In 1912 the Commission commenced the construction of wood pole lines and distributing stations for the purpose of supplying power to Brockville, Present and other municipalities in Eastern Ontario, and up to October 31st, 1921, the Commission had made an investment of \$354,193.53 in the system, which at the latter date was represented by 1-

Transmission Lines Transformer Stations Rural Lines

COPY

AN WARREST DANCE AND ASSESSMENT

3462,694.69 378,369.52 13,129.53

\$854,193.53

0GAD. 1921 p.44.

ment in the system amounted to \$176,658.00 and the balance going to make up the total investment as shown above has been made since that date so it will be seen that the system was built to a very large extent during times of high prices. p.24

for a capacity several times larger than the present load, and the distances between consuming points on the system has resulted in a large mileage of lines built for comparatively small present requirements. The total capital costs, are, therefore, comparatively heavy for the actual use of power on the system, and until loads are considerably heavier, this will form a burden on the municipalities served, especially in the smaller places where the demand is small.

WJF. p.25

and the second s

DESCRIPTION OF THE PARTY OF THE

To the second of the second

enorgang and are annerged and annerged and an interest

COPY

e etc., seed of executive edition in the second edition of the edi

COLA 1 Water-Andread Segments amplitude by the contract of Spiritude Segment
 COLA 1 Water-Andread Segments amplitude by the contract of Segment Colaborate Contract C

hateurrance mand and moireis paivioses alon ent

* \$ \$ * C

8

HYDRO-ELECTRIC INQUIRY COMMISSION

The following is a table showing the capital cost on a basis of horse-power purchased for the period and the second second second from 1914 to 1921, inclusive:

1914 1915 1916 1917 1918 1919 1920 1921

Transformer Stations Transmission Lines Rural Lines

while Debermed at Mr. part

\$ 43 \$ 46 \$ 64 \$ 68 \$184 \$232 \$123 \$122 334 463 249 468 328 320 162

Total s

9511 9374 9384 9402 3647 9481 9285 9276

It will be noted that in the capital costs per horse-power nothing is shown for generating stations as there are none on the system, but the figures include the cost of the WJP p.28 Cornwall receiving station with the other transformer stations. & 29

At October 31st, 1921, the Commission contemplated making further expenditures during 1922 and 1923 for extensions to miscellaneous stations and lines at an estimated cost of \$288.600.00 and construction of rural lines costing approximately \$107,400.00. With these expenditures, the total investment in the St. Lawrence System at the close of the fiscal year 1925 will amount to approximately \$1,250,000.00. It is probable that the Commission will recommend that the Government pay one-half the cost of constructing the primary rural lines as provided in section 4 of the Hural Hydro-Bloctric Distribution Act.

WJF p. 25

P.W. 2.7

Reserve for Renewals

The balance in the reserve for renewals account at October 31st, 1921, amounted to \$76,369.49.

NAME OF STREET PARTY AND THE PARTY OF PERSONS ASSESSED.

Lasique eds quiseds eldré s si ::

(3)

• . ·

00

Fa C.

10 a C

from 1914 to 1981, including

THE RESPONDED THE TABLE OF THE RESPONDENCE OF THE R

The will be noted that in the confict scars pure confict one of the characters substant of the characters of the charact

SERVICE TRANSPORT

The section of the se

P.W.

p.14.

4 15.

The reserve for renewals has been provided IN he against have the he has provided by the through inclusion in the cost of power to the municipalities DESCRIPTION OF PERSONS ASSOCIATED NAMED OF STREET, SAME of an annual charge of 4, on the capital investment, together purp ha there has marginally up his system his a manalities has with interest at 4% per annum on the balance of the reserve required to as modern and a tip who brought of asymptotical account. During 1921, upon the advice of its engineers, the militiar, which is naturally and the property of the point of Commission reduced the annual renewal rate from 4,0 to 3,0 , while the interest rate of 4p remained unchanged.

the taxat married which by provided for therein the course The accounts of the Commission were so adjusted PARMYE, NOT PROMITED CANADAS WINEST THE REST OF STREET that the rate of 3% was made effective from the inception of total accommendation of the converse Cast and communical larger the system to October 31st, 1921, and this adjustment resulted NAME OF A POST OFFICE ASSESSMENT OF THE PARTY. in a reduction of \$17.709.86 in the renewal reserve and the cost of power to make it les, during this period, was correspondingly reduced.

The annual rate of 52 was determined by a reclassification of the proporties as reflected in the book accounts at October 5lat, 1920, made by the engineering department of the Commission. The actual rate arrived at was 2.914 , while the rate of 5 was adopted as a matter of accounting convenience.

The engineering department of the Coumission made an error in computing the 2.914, rute which should have been 2.098%, a difference of .816%. The Commission are now considering a further reduction in the renewal rate to give effect to the corrected computation, and should they adopt this policy it will have the effect of building up the reserve fund in the future at a much lower p.40

WIP

rate and of reducing the cost of power to the municipalities.

A MANOR MANOR AND A SECTION OF THE S .

William Commence

The Francis for renowals has been provided the full tradegion as the reason to reason to the particular to the section of th cidegel absolutes indigen and or 18 to spenie larger as to annument were to conside odd on the term and it is not as the wit serrouthing and to purpose any copy attit palms, and prea his of it must star Laucais fandan and houses is a con-

turners on whom point/mest out to brown out with TO BELLEVINES AND BUILDING WAS ABOUT THE BELLEVINE OF A LOSS. and desire district and an exist one years at the weather his amount of and has a remark American age and discourage to residential a mi new power to miniot thing this pariod, was correspondingly reduced.

absorbations deplaced to the same restricted and addition

a to have seen bee of to oper langua off classification of the properties as reflected to the sees. well paintened one out the above and a particle section of a mineson are to herisan also kanton out prejudictional and he successed The tribles in the property also do to being one called all \$10.00

major and out to a self-real principle of Branch of the control mole clause and and is to measure to now considering a secondaria of the contract of And applications assessed and as desire with section THE REPORT WHEN WHILE IT WILL BY THE PARTY WHILE AREA THE RESERVE beathfilm of the sendence from the flat follows on a mark liver surlillimiteters and of the og he wast off guite het to had over

v '. . F 59 Commission to spend sufficient money on maintenance each year to keep the property of the system in a condition to operate in accordance with the requirements of economical production, which is considered to be about 75% as good as its original new condition. On the basis that only 25% of the total capital should be provided for through the renewal reserve, our Censulting Engineer points out that the present total accumulations of the reserve fund are somewhat larger than is necessary.

Sinkins Fund COPY

Under section 25(b) of the Power Commission Act, the Commission is required to provide "an annual sum sufficient to form in thirty years with interest at four per cant. per samum, a sinking fund for the repayment of the advances made by Ontario under this Act for the payment of the cost of the works", and under the second main paragraph of the seme section "a municipal corporation which has entered into or shall hereafter enter into a contract with the Commission for a supply of power may be relieved by the Commission from payment of any sum on account of the sinking fund account for the first five years, during which payments are made to the Commission by the corporation, under such contract, and the amounts required from such corporation on sinking fund account shall be payable during the then next ensuing thirty years".

WJF.

p. 17

Same to the same of the same o

James Carlotte Contraction of the State of States

graphic comments and comments

And entropy while he takes they all the being at an inches as an interest or an accepta only to have progress and gives an about Districte in a considerate with the sometimes of afficient to be a result of the state of the best between the state of the state to 100 who such alger but sty we defined you have not been and Lawrence has through our haddeness of blinds fastings into a ter-医中枢电弧管 经工厂 化对价 电电流 电电流电路 医比别氏征 医克勒克氏征 医内囊皮肤炎 电电池 电电池 电电路电路 the state of the s the same and same are same areas and the same selection and same the second of . The second of meddents.

-VOOD WELLEN

The contract of the contract of the province of the contract o

\$. 5 34

基金

were relieved from payment of sinking fund for a period of five years and from the dates that sinking fund collections were started to October 31st, 1921, the amounts provided and included as a part of the cost of power, together with interest are as follows:

OF SCHOOL STREET, OF REAL PROPERTY AND

At October 18t. 1921, five of the ten municipalities on the system had been in operation more than five years and were paying sinking fund instalments.

The following sinking fund collections had been made in respect to rural lines up to the close of the fiscal year, 1921:

P.W. p.18.

No. of Street,

Chostorville 4.55

NY STREET AND ADDRESS OF STREET

20 90/9431116

Reserve for Contingencies

Attitude they maked by my malifort.

The Commission established a reserve for contingencies to provide for losses not arising at regular intervals or not wholly applicable to the period in which they were incurred. The reserve is built up by:

P.W. p.18

P. W. T.

 and the second of the second o

> . : Lagloinui . . : Lagloinui

TT. SEE. AC. CTA. A EG. SEE

11,711,61

Y Ru

alester in the second second of the second

pilities on the species but from the continuous of the transfer of the species of

AND A THE COURT OF THE ACTION OF THE STATE O

St. CO15 Colley Nove 25

Present

AND THE RESIDENCE WITH STREET

onidaco ach aches est estad as actives estados estados

- (a) An annual charge of 25, per h.p. on average power supplied in any year to municipalities comprising the system. and to private companies except in 1920, when the rate was \$1.50 per h.p.
- (b) Profit on sales of miscellaneous equipment.
 - (c) Interest at 4% per annum on the balance of the account.

account was \$3,372.65 and it is the opinion of our Consulting Engineer that the reserve account should be built up by increasing the annual allowance until the reserve reaches \$12,000.00 or \$15,000.00, when the rates can be readjusted to meet conditions which have been established by several further years of operation.

WJF. p.45.

accounts with Municipalities

Accounts with municipalities are classified by the Commission, in the main, as follows:

tion for highest of the

BAL TATRA ADDRESS ROLFA DERACH REST, DESCRIPTION DANS

- Parta (a) Power Accounts Receivable.
- (b) Due by or to municipalities in respect of the cost of power furnished them as determined under the Power Commission Act.

(a) Power Accounts Receivable

P.W. p.20.

at October 31st, 1921, the balance of power accounts receivable amounted to \$49,295.61. These accounts represent unpaid balances in respect of interim power bills which are paid currently by the municipalities, and were all paid prior to deptember 20th, 1922, the date on which these accounts were examined by our auditors.

all and the second second

8.2

· 空影切

.

· 88 · 6

THE WEST PROOF HOUSE COM

01 88980,0V8 301 150

al Agadas Balasgrad star

Profit on solon of mineral to solon as a second to the sec

consist with an error one of the restrict (a)

first past set the capter out.

The an extendiablished by asset.

THE RESIDENCE OF THE PARTY OF T

THE THE TANK AND A SECOND AND A SECOND SECON

- (a) Power desente Becetanise

arterious simulation rough [43]

almonne predi .10.888.650 pt hotmome plantines the circums of the

(b) Due by Municipalities in Respect of the Cost of Power

At the close of each fiscal year, the interim power bills rendered monthly are adjusted to meet the operating costs of the system, as provided by the Power Commission Act.

It does not appear to be the practice of the municipalities to pay in each these additional charges, but instead the Commission increases the interim rates in subsequent periods and thereby reduces the accumulated deficits of prior periods.

Regarding the Dayment of these deficits, section 23a of the Power Commission Act provides that:

"The Commission may from time to time during the first three years after any municipality shall first begin to take power from the Commission extend the time for payment of the sums payable by any municipality."

Some of the following balances extend back to the first year of operation and beyond the three year limit in which municipalities are allowed to accumulate amounts owing to the Commission in respect of the cost of power. At October 31st, 1921, three of the ten municipalities were in default in the payment of their power bills.

The following is a list of balances owing by the municipalities on the St. Lawrence System at October Slat.
1921:

communicated of the Annal State Control of the Cont

P.W.

reads one see see as as

mirojni oda grave isonie dano to encie adt th

1. ,

. . .

. 9

eds ho obstanty odd od od nasqua son noob si

the se the Poses dangered as several services at the se

The Commission may from time to the during

Tedoso , gr. . Temper 30 page and 20 pages and acresiment.

A Company of the Comp

COPY FOR ENCLOSURE TO

Municipality	Amount			
Alexandria	\$3,490.01 598.46	4		
Brockville	4,052.08			
Chesterville	4,618.29			CGAD
Lancaster	1,464.65			1921
Martintown		Action Original Pr	come no sex	Schodule Schodule
Maxville	1,778,85			No. 49
Prescott Wall A Pr	565.73			
Williamsburg	566.13			
Winchester	1,405,67			
	A 56 at a section (0.00 a)			

Results of Operation

Power to supplied the municipalities on the St.

Lawrence System at cost in accordance with the provisions

of the Power Commission Act. The cost of such power includes:

Operating and maintenance expenses.

Interest on the moneys invested in the works of the system.

DOMESTIC THREE PROPERTY AND ADDRESS OF THE PARTY ADDRESS OF THE

Provision for the renewal of the works.

Sinking fund on a thirty-year basis to repay the investment in the system.

Provision for contingencies.

The Commission also sells power to private companies at fixed rates. Any profit or loss incurred in connection therewith is applied against the municipalities on the system.

STREET, STREET

The following is an operating account for the four years ending October 31st, 1921, which shows the operating expenses and fixed charges together with the revenue obtained

DESCRIPTION OF THE PARTY. Eld, was 100 e at v e-pateur p2119983 BUT, BYT'S D DESCRIPTION OF REAL PROPERTY. has a set year of had or of the state of the late. Press ATT the 4 s PASS 3.3M.M. 140.3.1283.48.203. 即写 · 放松的 · 作品书

SAND STAL CALLAGES SP 495

pal/ages to the first than a

AND HE DESCRIPTION OF THE PARTY OF THE PARTY

DESCRIPTION OF THE STREET, AT THE COLUMN

term of the state of the state

wantingstator ask Avistate

e galdenada as al zalandista adi

from the various customers (conts omitted).

Revenue	1918	2919	1920	1921	
From municipalities From private companies	\$27,744	\$50,043 3.969	\$78,496 E2,870	\$100,026 32,966	P.W.
2 otal	\$27,744	\$54,012	\$101,369	\$132,992	
Operating Expenses & Fixe	4			X PE	
Operating & maintenance	@13.903	326,457	\$50,646	369,260	
Interest	6,831	14,701	24,520	31,760	
Provision for Renewals	6,831	13,571	21.537	20.941	
Provision for			* ***********************************		
Sinking Fund	1960	-	4,639	10,372	
Provision for					
Contingencies	179	397	3,185	532	
rotal CO	927,744	\$55,126	0104,535	3132,992	
Loss - transferred to	ro. 1 \$+ 171 484	31,114	\$3,167	Ann	
Total hor se-powe billed	717.5	1246.2	2128.7	2639.5	P.W.
Coat per H.P. billed	\$38.70	\$44.16	649.22	\$50.40	WJF.
The second second			entrary, with trade the consistence of the constitution of the con		p.47

The loss transferred to the contingency reserve represents losses sustained in furnishing power to private
companies; the less of \$1.413.00 for 1321 arising in this
connection was charged direct to the municipalities.

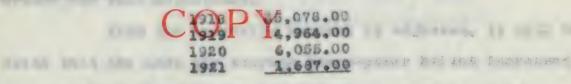
The municipalities are billed with an interim rate which is intended to represent the approximate cost of the power supplied. At the end of each fiscal year the interim rate is adjusted to an actual cost basis and the municipalities

· (bet dime state) aremetade suciant out at a mit

	_010	3-04.0	- UNI	JUL	
2 賞	890,0014	864°8A\$		APTOTO	AND REAL PROPERTY AND ASSESSMENT
	43,000	100,000	in list		3 4 4 2 7
					palt a manual interpretary
	PAT, TAB PAT, DE CAS, OS	540,400 \$100,940 YME,433	752 262 207 34 108 21		PRINCIPLE PUR PRINCIPLE
	\$15,0E	54,510			hiert geinige
	Man'sati	10 (10 p)	115,011		
		riciri	ATTACK.		There's the Delivery
2000年 1000年 1000年 1000年	0.4006	7 . 5 G & S 22 . 6 A A	31. ∉	17,757	tion for 1747 village
AD WALL	re-orders			•	and the second of the second o

 between the amounts paid by them and the actual cost of power supplied to them, or if the amounts paid by them during the year exceed the actual cost, they receive credit for such excess. The revenue shown in the aforestated operating account includes the final charges or credits to the municipalities.

The interim rates failed in the eggregate to meet actual costs for the year 1910 to 1921 inclusive, in the following amounts:



P.W.

Total #17,784.00

the published accounts of the Commission and are subject to an adjustment in respect of renewal charges. As shown on page 9 of this report the Commission made an adjustment of renewal charges in the amount of \$17,703.88, of which \$10,434.70 exclusive of interest is applicable to the years 1918-19-20, and has the effect of reducing the operating costs and fixed charges as shown by the aforestated operating account and also the final costs per horse-power as follows:

.

1 4

walions to argueds lands ode asoulous sur

e de la composition della comp

Rosel 917, 784.00

The state of the s

3 17

	1910	1919	1920	1921
Operating Expenses and Fixed Charges por Operating Account Less - Reduction in 1986 renewal charges	\$27,744 4001 0 10		\$194,535 5,534	3132,998
Adjusted Costs	\$26,036	\$51,734	\$99,151	\$132,992
		gyddynnia ac ar digyr maeggegryfallandiolyfir frifighiol mellin gwylaith		
Horse-Power Billed	717.8	1240.2	2123.7	2639.5
Cost per H.P. Silled	\$36.29	341.45	§46.69	\$50.40
A section of the second				

The accounts of the municipalities have received credit for this adjustment. 1 2000 5249

From the operative account as adjusted, it will be noted that the cost per average horse-power billed increased from \$36.29 in 1918 to \$50.40 in 1921 or an increase of approximately 58 per cent. The following table giving the detailed cost per horse-power billed shows in what respects and to what extents the operating costs and fixed charges increased.

Maintenance 7.01 2.45 1.61 2.66 by Overhead and general expense 2.65 5.74 3.99 4.85 Interest 9.52 11.79 11.56 12.04 Renewals on adjusted basis 7.14 8.17 7.63 7.94 Sinking Fund - 2.14 3.93 Contingencies .25 .25 1.50 .25	remare Supling Street-	1918	1919	1920	1921	
Maintenance 7.01 2.45 1.61 2.66 by Overhead and general expense 2.65 5.74 3.99 4.85 Interest 9.52 11.79 11.56 12.04 Renewals on adjusted basis 7.14 8.17 7.63 7.94 Sinking Fund - 2.14 3.93 Contingencies .25 .25 1.50 .25	405	~				Prepared
axpense 2.65 2.74 2.99 4.85 Interest 9.52 11.79 11.56 12.04 Renewals on adjusted basis 7.14 8.17 7.63 7.94 Sinking Fund - 2.14 3.93 Contingencies .25 .25 1.50 .25	Maintenance		-			ьу
Renewals on adjusted basis 7.14 8.17 7.63 7.94 Sinking Fund - 2.14 3.93 Contingencies .25 .25 1.50 .25	expense (my mark to	2.65	33.74	3.99	4.85	
Sinking Fund - 2.14 3.93 Contingencies .25 .25 1.50 .25			DESTANT.		AL PAID	
Accompanied in the contract of		7.14		200 PV A		
		.25	.25	1.50	. 25	
Total \$86.29 \$41.45 \$46.69 \$50.40	Total	\$86.29	\$41.45	\$46.69	\$50.40	

_1111		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
04,5	Company of the	e LE, des	257,82	1, 2
		5 A. \$ S		
· · · · · · · ·	2 51	den Lang	J. T. grand	nave - hydrod ha
, ,	7,6314	· · · · · ·	, /	holls San e fee
	52 s 1:4 j	S & W AND	1. 1. 4 CV.	Cost . # H.P. billed

Later the second of the contract of the contract and

samuelle clas and sixon

	29.03		Frances	Q.Lag	
Sensoner Marian	AL.L	6 68.2 86.4	00.S 80.A	VA.	
15,51	20.2		かで。後 をヤッズが	20.6 20.6	Table 2017
	公在。 ♥ 思考→稿 · ·	33.7	¥1.8	\$ £ . 4	bedanibe on tipesien gand Det peliet galbar filas
			Carron	V	

M. VII

Power required on the St. Lawrence System is

purchased from outside interests. The following table shows

the horse-power purchased during the four years ending

October 51st, 1921, and the sources from which the power was

obtained:

derelle der les	Hor 3	9-Powar 1919	Purcha 1920	1921
F. Beach Company llage of Morrisburg	6 24 17	272	-	- 3
dara Rapids Trans- mission Company	(of 5	772	2230	3093
2 o t a 1	541	1066	2249	3096
CO	PY			

P.W. p.12.

No. of Concession,

The rates paid by the Commission for power pur-

M. F. Beach Company \$12.00 per horse-power plus \$3.00 per month for rent of ground for substation.

Village of Morrisburg \$14.00 per horse-power.

cedars Rapids Transmission Company \$15.00 per horseppower.

The following is a table of the actual horse-power loads taken by the municipalities as compared with the estimated load upon which the Commission based its estimated cost for supplying power to the municipalities:

The Company of the State of the Company

75 ,

. . . .

the horse flow of the sources from the flow sources the shown to the first pours out the first pours out the first which the

ista projection and a

the control of the co

A. .. Decom - Capena Tillage of Northaburg Sedare Lepica Sreas-

AND THE AND THE SHE

the transfer of the state of th

the second of th

of the second of

ethat coles equals according to the language of the language o

A THE RESERVE OF THE PARTY OF T

19

Nunicipality	Date pow- was ipality First Tai		Yearly Minimum a Load		Yearly Maximum Load		Average Yearly load to Oct.31, 1921.		Astimated Lond		
DE TALL			и. Р.	• 4,4	, n.P.		AA . N.P.		A. V	H. 2	
Alexandria	Jan.	1921	122.4	*	122.4	x	122.4	x		300	
Apple Hill	Apr.	1921	10.8	JE.	20.8	I	10.8	x	No	est	imate
Brockville	Apr.	1915	297.5		1073.9		606.2			1000	
Chester ville	Mar.	1914	40.1		150.9		96.9			50	
Lancaster	May	1921	14.0	x	14.0	×	14.0	X.	第0	085	imate
Martintown	Hay	1921	7.8	x	7.8	x	7.8	X	No	ost	imate
Maxville	Peb.	1921	28.8	×	28.8	26	28.8	x		200	
Prescott	Dec.	1918	171.1		216.1		197.2			300	P.W
#illiamsburg	Apr.	1915	11.5		22.0		18.2			45	Ex.
Winohoster	Jan.	1914	55.2		90.9		68.9			100	I

Municipalities not in operation full year load stated on basis of period of operation.

ARREST MARKET BARRIES

Not considering the municipalities in which loads were not estimated or municipalities which had not been in operation a full year at October 31st, 1921, the estimated load exceeded the actual yearly average load by approximately 46 per cont.

The following table shows the estimates as submitted to the municipalities on the St. Lawrence System by the Commission as compared with the actual cost of power supplied to them for the full year periods of operation;

regulated by 104 canalitation. These properties over the line

DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON

OUR DRINKS IN NAMED IN THE

See Milysia.	40		, .	. r 	1: 77	3.	5 () 5 () () ()	il. : loimus
* T * E *		M.P.		· 型 · 数				
200 cocimete 20 co		4.22. 6.01 2.005 2.005 2.005		1.22.6 10.8 10.8 10.00 10.00 10.00 10.00 10.00	301	2 15 2 2		

my net tayer of anitifications are gained than the

The state of the s

Les lines of a resident of the resident of the public state of the contract of the state of the contract of th

Eunici pality	Yearly Minimum Actual Cost per H.P.	Yearly Maximum Actual Cost per H.P.	Yearly Average Actual Cost per	Cost pro- pared by Eyaro	Per cent of Actual Cest over es- timated Cost
			399.92 x	\$55.50	86
alemandria	\$99.92 x	\$99.92 E	39	60.00	112
ipple Hill	127.87 x			24.04	80
rockville	24.81	50.81	45.40	25.00	93
lhe sterville		83.08	67.62		248
ancaster	337.63 x			97.00	
artintown	140.50 x			54.00	260
Maxville	171.96 x	171.96 x	171.96 ×	54.35	216
Prescott	18.06	50.45	8x.26	24.04	51 P.
Williamsburg		117.49	53.39	26.00	105 Ex
Wine heater	35,16	78.42	57.86	24.00	141 1.

- Runicipalities in operation less than full year. Rates per horse-power stated on annual basis.

The actual cost of power as shown above has exceeded the estimated cost in all of the municipalities. Disregarding municipalities which at October Slat, 1921, had not been in operation a full year, this excess ranged from 31 per cent. to 141 per cent. above the estimated cost as submitted by the Commission.

Alexandria, apple Hill. Lancaster, Martintown and Marville, and during the broken period ending October 51st, 1921, the cost of power to these municipalities resulted in rates ranging from 86% to 248% in excess of the estimated cost of such power as supplied by the Commission. These excessive rates are due largely to the small quantities of power taken as compared

		Track	710 NA	3 .	
yte Ye	101		*		
		• • • •			100000000000000000000000000000000000000

the contract of the second second

and the state of t

the second of th

of product

with the respective capital investments upon which the municipalities have to carry fixed charges.

per horse-power may be used as an illustration. The power programment of this municipality is obtained from a substation at martintown at the same rate as is charged Martintown to which is added the entire cost of transmitting the power from Martintown to Lancaster, a distance of twelve or thirteen miles. The investment in the transmission line from Martintown to Lancaster at October 51st, 1921, amounted to approximately \$32,000.00 and on a basis of the cost plan, the fixed charges to be paid by Lancaster amounted to \$208.15 per horse-power of the electrical energy taken as this line served no other oustoners.

The following shows the proportion of operating expenses and fixed charges entering into the total cost per horse-power supplied the aforementioned municipalities:

Nunicipalities	Operating Expenses per H.P.	Fixed Charges per H.P.	Total
Alexandria Apple Hill Lancester Hartintown Mazville	\$44.75	\$55.17	399.92
	80.98	46.37	127.35
	129.48	208.15	337.68
	97.57	42.97	140.54
	79.54	92.42	171.96

The Commission is now supplying power to three companies on the St. Lawrence System at the following rates:

els dels marqui alla per esta dell'illa i mattena est dell'illa. L'espante dell'est que en est even antiche dell'estate

No. 700 Per coll a religion of Ampanary with a religion of \$207.60 Per coll 12 Part 12

e in the second	6-11-12 6-12-12 *5-11-13-12	na ja na nji Dasana na na Lasana kana	
1	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27 x 85 2	rigin - L
to be at the second	FRANC	V → 177	
7.14.14.5	to fact to	11 4 3 3 1	P. S
2.1% c. e.	· · · · ·	* . * · .	任 《人民集》(
STARTS	e in general contractions	4 . 3	willer

water of wear publication and all colorations out.

Letter coloration out so extend we see I will bid no exist onen

. 22

The Administration of Manager Company of the

Rate per H.P.

Howard Smith Paper Hills, Limited, (Rates vary depending on quantity of power taken)

\$27.13

H.S.F.O. Drewry.

P. W.

Glengarry Pulp Company (Successors to the Cornwall Pulp & Paper Company against which the Commission has an unsecured claim for \$46,838.98)

928.00

Bugone F. Phillips Electrical Works, Limited,

335.00

The Clengarry Pulp Company and the Eugene F.

Phillips Electrical Torks, Limited, began taking power from
the Commission during the physicant fiscal year while the
Heward Smith Paper Mills, Limited, first received power during
the fiscal year 1919. Up to October Slat, 1921, the Commission
incurred a loss of \$5,694.00 in supplying power to the Howard
Smith Paper Mills, Limited, of which \$4,281.00 was charged to
the contingency reserve and the balance of \$1,413.00 was
charged to the municipalities on the system.

The following shows the revenue arising from power supplied private companies with the operating expenses and fixed charges applicable thereto:

	1919	1920	1921 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Rovenue American Service	\$5.969	\$22,870	832,966	
Operating cost includ Power Purchased Fixed Charges	ing \$2,725 2,368	\$14,010 12,027	\$20.827 13.552	
	25,088	\$26.037	334,379	
100 mg/s	31 114	AR 169	AT ATS	

at December 1 and the last

23

. , .

. ---

U. Secretar

Named Color Steam Stiller Printers.

INDIAN AUTOU SP. SANTHAMS

WILL W CLANE

Egistate green to be figured to the first the first of the contract of the con confident teams to the state of the state per make the speciments with dates

Marine and property of the state of the stat

THE GLORIER PULLS I.

Notice that the second AD SCHOOL SUS DISHES ASSET AS AN pares were seven that such the same said bevery

Bird Stagged and Committee of the Commit

NAME OF A TAXABLE TO A MADE AND A PARTY OF THE PARTY OF T

cocequet aldsoliege seavends heart

. .

. " ,

se in private the second of th · . . 040,4820 117,151 TAX-329

. The second

. 4 , . . 455,455 THE 1924

p 5 PLIST The Later

, , all all OPY FOR ENCLOSURE TO

In accordance with the terms of an agreement dated May 26th, 1921, signed by the officers of the Cornwall Fulp & paper Company, Limited, but not executed by the Commission, the Commission agreed to hold in reserve 2,000 horse-power of cleatrical energy for the company.

The company agreed to pay \$25.00 per horse-power for said electrical energy or to pay as a minimum charge for 75 per cent. of the electrical energy held in reserve. The company also agreed to deposit a \$10.000.00 bond with the Commission as security for any losses that the Commission might sastain in supplying such power.

on May 25th, 1921, but the bond was not deposited by the company and subsequently the company went into liquidation.

Mr. Clarkson comments on the matter as follows in his 1921 audit report:

"Botween May 26th and October 31st, 1921, the system furnished on an average approximately 1690 horse-power to the Gernwall Pulp & Paper Company, Limited. After such power had been supplied and when \$1,000.00 had been received in part payment for it, the company became financially embarrassed and there would as at present appear to be little if any prospect of the Commission realizing the balance due to it as of date October 31st, 1921, of \$17,621.07. The cost of such power was accordingly included in the cost of operation of the system payable by the municipalities, while no credit as revenue was taken for \$17,621.67 owing by the Cornwall Pulp & Paper Company, Limited."

In an affidavit dated August 25rd, 1922, the Commission filed a claim with the liquidator in the amount of \$46.638.98 which sum included the \$17.621.87 proviously

Your Liver and I can be seen

geng week, with the

qisi iiswarab eds to escaltis eds tigaesis .ii

The production of the control of the

company and so the satter on tollows in his 1921

11. . Clarkson summate on the satter on tollows in his 1921

puis , iku i , anii vadatot

referred to tegether with the minimum monthly charges and interest to July Slat. 1922.

an estimate of the costs which the Commission incurred in supplying power to the Cornwall Pulp & Paper Company during the aferementioned period. This estimate is in the amount of \$10,000.00, and applying against this expense, the Commission collected from the company \$1,500.00 leaving the Commission's actual less at approximately \$8,500.00.

pressed the opinion that insamuch as the Commission was an unsecured creditor the was little, if any, prospect of realising this claim. It would appear that, had the Commission executed the agreement before power was supplied to this company and demanded the \$10,000.00 bond as set forth in the contract, no actual loss would have resulted in this connection.

POWER DAZA

Population Served

The district served by the St. Lawrence System is both urban and rural, the bulk of the load being in the various municipalities, most of which are quite small, Brockville with about 9,000 population being the only place having more than 3,000 people. Cornwall is not a partner in the St. Lawrence System.

entral value and the solution of the contract of the contract has

and all the contract of the co



HYDRO-ELECTRIC INQUIRY COMMISSION
COPY FOR ENCLOSURE TO

"Municipal statistics" of the Province of Ontario for 1921 gives a total population of about 85,000 for these portions of the Countles of Glengarry, Stormont, Bundas, Grenville and Loeds, which are tributary to the "t. Lawrence Deducting from this, 10,000 persons in towns now Systom. served by other power systems, there remains a tributary population of about 75,000 as at October Slav. 1921. At that date the total population in the ten municipalities served by the system was about 18,500 persons, with about 3.800 consumers. As the larger centres are already supplied. the greater part of the remainder of the tributary population can only be supplied by a fairly extensive system of rural lines. Excluding the Howard Smith Paper Hills. Limited. the ten municipalities now served were billed with about 1,675 horse-power in 1921, or about 2.640 horse-power including this consumer. In 1922, the total power billed, including the individual consumers, was almost 4,000 horse-power. In 1925, the billed power will probably increase by 1,500 horsenower or more, made up largely of the load of the Mugena F. Phillips Electrical Works, Limited, at Brockville. This company, it is understood, commenced to take power about Movember. 1922, and the contract contemplates that they will take power up to about 2,500 horse-power, with a probable minimum of 1,000 or 1,100 her se-power. The normal growth of the system will doubtless account for several hundred herse-power in addition.

WJF. p.17.

AND THE RESIDENCE WAS ASSESSED. THE RESIDENCE TO A PARTY OF THE PARTY wants had divined dense by makening and the words done and without addressed a second of the relationship the particular processed and such all temperatur man whales unless the additional with the transfer of the company of the latest and QUALIFICATION OF PARLICULAR WATER PARLICULAR PRINCIPLE AND ADDRESS. IA ADDITION OF CO. INCIDENCE AND ASSESSMENT ASSESSMENT OF PROPERTY. ---- Long to barm and and mil made . . . Labor and what hade abstitute therein one deplets my but not all appearance fire, cultulous restricts one by spiniture out his rise interes on of the state and the name of the paper of the salaries we extra named and many property depth opening to the party of the real reasonable to the latter of the latter ATTURNET BEFORE THE PARTY OF A PROPERTY SERVICES AND THE term, and billion owner will prevently francous by 2,300 com-. T on more, made up largely of the load of the damen. validities who resided to real the training of the freds dewest cant et ha mees beets raben at ti gragues Rovember, 1982, and the co. not amiguates that the -trag a fit in a trong-served for 2, 200 to to to to to to the fit is serious of 1,000 or 1,200 har second to minister and the system will depote the sone human horns-peace in addition.

10 10 1

The Cornwall Pulp and Paper Company, which was connected in 1921, and which was to have taken from 1,000 to 2,000 horse-power, went into liquidation, and the power taken by this consumer was not included in the figures for the above-mentioned loads.

Market Statistics

on page 18 of our Consulting Engineer's report is shown a table of market statistics for the year 1921. This table gives in detail the number of consumers in the places served by the Commission, the approximate horse-power billed to each place, the hill fact hours supplied to the system, and the average horse-power per consumer.

personnel & School Tay (1974).

Growth of Market and Ultimate Sources of Power Supply

Since the commencement of yower supply in 1915 and
1914 up to the end of 1916, the actual amount of power used on
the system was less than 600 herse-power. Since the end of
1918, the growth of the lead has been remarkably rapid, the
maximum peak for 1919 was 1,600 herse-power; for 1920, 2,450
herse-power; for 1921, 4,800 herse-power; and for 1922, 4,908
herse-power. The 1922 lead does not include the Phillips
Company's lead at Brockville as the figures are given for the
fiscal year ending October Sist, and that consumer had not
then taken power. The reason for the sharp increase in lead
in 1921 is largely due to the additional municipalities served.

. .

The Column Land Paper Cangular, and

policy tracking the mental of

in it is a surger war grange and thus

nations or initially has successful an almost

The second of the second of the second to prove of price and the second to prove and the second to t

As already pointed out, the addition of the Phillips Company's load for 1923 may add from 1,000 to 2,000 horse-power to the total demands, and with the normal growth of service in the district the peak demand for 1923 may possibly be 7,000 horse-power.

The problem of serving rural customers is difficult.

the average number of consumers per mile of transmission line
being small. The experience of the Commission up to the

present time indicates that only three or four consumers per

mile on the average are obtainable.

It will be noted from the table of market statistics that the percent ge of constmers to population served at the end of 1921 was about 20.5.

Lawrence System has a large excess of available power at its main Cornwall transformer station, and that there are many places in the district which do not yet receive power from the Commission. In certain centres the people are apparently quite satisfied to continue under their present private arrangements, and in some of the places already mentioned it will apparently be difficult for the St. Lawrence System to obtain these municipalities as partners.

The question of ultimate use of power on the system, and of the future ultimate source of power supply for the whole of the population, is one which depends partly on the relations of the local private companies and the muhicipalities to the Commission. From the table of miscellaneous power plants in the

AND THE RESERVENCE OF THE RESERVENCE OF A SHOULD SERVE OF THE STATE OF

THE RESERVE OF A STREET OF STREET OF

the the constant of the Yard of the constant of many and the constant of the c

The record of the second of the property of the second of

TO SERVICE THE SERVICE OF SERVICE

COPY FOR ENCLOSURE TO

St. Lawrence System territory, shown on page 12 of our Conp.19 sulting Engineer's report, and from the fact that large new power developments are contemplated within commercial transmission distance, it is evident that a comparatively large capacity in private power plants could be made available to serve the district in competition with the Commission. Some dissatisfaction has been privately and publicly expressed with the Commission in the district, and there is apparently a widespread feeling of sympathy in the district for the continuation of private ownership and fixed rates. The M. F. Beach Company, for example, has made certain definite offers to supply power to certain places at fixed prices ever a term of years. If the stated future capacity of this company be realized it will doubtless be sufficient to supply a large mileage of rural lines and serve a large population with power, possibly paralleling the lines of the Commission in several places. From the viewpoint of the rural consumer the question of who supplies the power is not nearly so important as the total cost of the service. Arguments have been advanced by some of the rural inhabitants that the Ontario Government should give the same assistance to the Beach Company's rural lines as would be done for the rural lines of the Commission, especially as this company is said to be prepared to make satisfactory contracts at fixed rates for the rural areas contemplated. Some solution of the problem, ploude stranguages on our little Cours outly and for example, co-operation, should be found whereby unnecessary

waster that are the terminal property that are a second to the second to . 1355 . . were some a literated but a literature processes who but a special part MERCHE I SETUPETE OF COLUMN AND SERVICE THE RESERVE OF SET . THE ST mark and the first car with a section of the second section of the as wissign a work, or other any all and a contract above to displace to was tellular of the state of th drie transport with the property and and animarity said s of the allegate of the allegate of the property s ero a grant water a mark to all reasons an earliest amortic consider e's aid thail about a neigh one of fractor province to positioning a The state of the s In many a news senior Senior se sensing minerals as never elegen. DESIGNATION OF THE CAMPAGE STREET, AND ASSESSED AND ASSESSED AND ASSESSED. to specificate of the section of the profit of the section of states and character a long payables with payers as and in the percialing the lines of the facultation of the state of e e e savet el care el care de la compania de la care el compania de la compania del la compania de la compania del la compania de la compania del la compania de la compan THE RESIDENCE THE SHEAT OF STREET AND ASSESSED AND THE RESIDENCE OF THE PROPERTY OF THE PROPER Jakanara virale dir basa aspesisant Lerry sas is ease ar and the second of the secon BET BE CARL COLORS SEE SEE SAID SE TIERRE TO CHIEF LINES. laminatory expectating as ship expended to the laminate ned the taken could be abstracted type outside of man by se-, suclease sold to controlled work appealance and above inter-The state of the state of the skill of the skill of the state of the s COPY FOR ENCLOSURE TO

duplication of transmission systems may be avoided, and at the same time permit those who wish to receive power from sources not now controlled by the Commission to do so under torms satisfactory to the consumer and to the supplying company. The purchase of power from the Beach plant at n.20. Iroquois by the Commission might be considered and the taking over and extending of the rural system now owned by the Beach Company, paying a fair price for the power supplied from the Beach plant and distributing it in the usual way to the rural consumers. An objection to this from the viewpoint of the Commission would probably be that they new have a substation near Cornwall of ample capacity for the whole system, and that they have rural lines under construction, or contemplated, to serve the whole system. Even with the help of the Provincial Government grant of one-half the capital cost of the primary rural transmission lines, the problem of serving rural customers satisfactorily is very difficult of solution and is complicated in this section of the Province owing to the presence of competitive privately-owned systems. An alternative solution might be the purchase of the Beach interests as a whole.

Lawrence System when all the available local plants will have been used to full capacity, or else discarded, is undoubtedly transmitted power either from the Cedars Hapids plant or from other large plants contemplated at Carillon, Chats Falls and

on as transmission of the continuous as included and ac most needs swinger of Color buly synth Minyon built many and Taken of an \$5 on hillions only to buildramed our per per apeausa SETTLE OF BELLEVILLE HER HER HER HE HE HE WEST ESTABLISHED AND ASSESSED. a TEN FR CHALL COLOR COLORS COLORS COLORS COLORS COLORS P1 27 2 -ada are behavasaren es yenin militaturra eta ya edanpera Ti berni via gerege ferre els la publicadas las pero galas. and figure of the rate were given that a gold to average from 1 and as the first all all it relies broth has peals dead one west -wolf said moth alds of nulsballed all actions to him the went was yade said of the brain bigs for the tree in a carpet the west was a carpet to the second of the whole all a line and the state of the all of the state o Layfulk wit bimisses by forty groupest intenters; at its glat is ending ods , and reinstander lave tweeter and to done to recountly quer of the restation of the section of the section of cointion and la con-line in the training of the rest of and the state of t The state of the s * OF THE REST AND THE PARTY OF THE

est als mis tipes here, so en en escatista est esta foir sensig famil pications est la país apropa accorda tipesarella est ambiticada país es apropa fint est accordad also ma senie subjet trates est accida menog accasana and tilat stare accidins do sensignment suculy entre messe Bryson on the Ottawa River, or at the Chalses and the Paugan sites on the Gatineau River, where large amounts of power aggregating several hundred thousand herse-power can be made available. The proposed development of the St. Lawrence River power would doubtless provide all the power necessary for the St. Lawrence System for all time to come, but these developments are not likely to be completed for many years.

WJF. p.21

tended southwards and eastwards, and the St. Lawrence System
be extended northwards, it is possible that in the future
inter-connecting lines may be constructed so that any of these
systems might receive lower either from the water powers on the
St. Lawrence River or from the Ottawa and Satineau Rivers.

The present indications are that the actual total amount of power used on the St. Lawrence System will not reach the present capacity of the transforming station near Cornwall for many years to come.

WJF. p.22.

WJF. p.22.

Horse-Power Developed, Consumed, Billed, etc.

IN RES. PROPERTY. PRINCES.

on page 26 of our Consulting Engineer's report is shown a table of horse-power developed, consumed, billed, etc., for the years 1918 to 1922 inclusive.

Power Situation

In considering extensions for the St. Lawrence System. consideration should be given to the question of 11

The state of the s

The second secon

THE LIFE WESTER WILLIAMS AND WILL AND WAS THE THE TENTONS OF THE SERVICE OF THE S

THE OWNER OF THE STATE OF THE S

proper aftermitte paletter Country of the after and the second of the country of the country and the country and the country of the country and the country an

e enversal , pe and to the trademental and the second and the seco

ATTW

* (\$ \$ x x

4554 31, utilizing local sources of power and direct routes of transmission lines from these sources where such are available. The proposals of the Beach Company are an example of the possibilities in this connection.

WJF. D.53

as between the Commission and other interests. The total population served at the present time is only about one-quarter that of the district. The percentage of consumers to population now served is about 20 per cent., which compares fairly well with similar ratios in other districts. The use of electricity per ordinary consumer is apparently less in this district than In many others. The recent growth is load indicates that the demands are growing and it is likely that a considerable increase will take place in the power demand of the district. The ultimate demand of the whole system can probably be always well covered by transmitted power either from the St. Lawrence River or the Ottawa River or the Gatineau River.

WJF. p.53

some method of satisfactorily utilizing the available individual power plants in the district might be considered where these are not required for private use or by municipalities not now served by the Commission.

WJF. p.53

The state of the season foughts are an original and the state of the season foughts are an original and the state of the season foughts are an original and the season foughts are also are an original and the season foughts are also are an original and the season foughts are also ar

- 32 a

73 8 of:

1377

The market is divided in divided in the property of the district of the contract of the contra

-liava edi gnizilito glisotos ujum a jodiom orra

32

EKOLTALES LAKUED

Relations with Cornwall

ortain criticisms were made by representatives of the town of Cornwall with regard to the relations between the town and the Commission. It was suggested that the Commission used its position to force the Eugene F. Phillips Liestrical Works. Limited, to locate in Breakville instead of in the township of Cornwall because the town of Cornwall had de
township of Cornwall because the town of Cornwall had de
1008
21ded to continue taking power from a private company.

The gas parks and electric distribution system in the town were owned and operated by the Stormont Electric Light and Power Company, Limited, a company controlled by the Sun Life Insurance Company.

In or about the year 1913, when the franchise with the Stormont Company was about to expire, the Mayor asked the Commission to investigate the power situation and to furnish information as to whether or not the Commission would be in a position to supply Commall with power. Following this investigation, the Commission stated that they were not in a position to supply the power and suggested that other arrange-Nv. 1643 ments be made. The town then extended the company's franchise for a period of ten years. About two years ago the company appealed to Cornwall for an extension of their franchise, which had approximately two years to run, and agreed to make certain improvements provided the franchise was removed. On

Company of the Compan - sel nidament as along t 数公司等 经民主 蒙衛 电极带差异 人名印斯斯斯 经收额 數據 動物 海拔 動 grand out them tad equalitation out the broken dille Law word aget and an army of the law and and are all the law and AND REAL PROPERTY AND ADDRESS OF ADDRESS OF ADDRESS AND ADDRESS. NAME AND ADDRESS OF TAXABLE PARTY ASSESSED. THE PERSONNEL PROPERTY OF TAXABLE PARTY. and the state of the same of t STREET, STREET or religible to the property of the property o \$ To 415. is in only the the above allie to be a first LICO DESIGNA TORINE THE CHELOSIAN DE BURGAN THEY A THE OF LEADING ME TO BE REPORTED CARD THE TELESCOPE OF THE PROPERTY OF THE PERSON OF THE RESERVE OF THE PROPERTY AND ASSESSED TO BE ASSESSED. a al sem sense build emile habades a " · THE THE THE THE THE SECOND S The second section of the section totadente of and to present the day finance of the present of of hed hed approved a self the years to read agreed to read · 自然學問題的學 如此不 自然是在我们的意思 的故事 的的意思中心智力 医克斯特斯氏 如此如此是 经查询是有自己

1.00

February 7th, 1921, a letter was written by Mayor Chicholm to the Commission asking for definite information with regard to the power situation in the Cornwall district and pursuant to this Mr. M. T. Jeffrey of the Commission visited Cornwall and met the Hayor together with the Council and members of BY. 1845 the Chamber of Commerce. At this meeting Mr. Jeffrey explained that the Commission had electric energy for sale to the district. as arrangements had been made with the Codars Rapids Transmission Company for the supply of power up to 10,000 horse-power, and that any arrangement made for power in the district would of necessity be under the Power Commission Act and would have to be handled direct by the Commission. He further stated that as the Commission had no contract with the municipality of Cornwall, the Commission would be unable to deal through the municipality in supplying power to any 1646 company wishing to obtain it.

As your year on you wanter the farmer municipal

On March 15th, 1921, the Eugene F. Phillips Mlectrical Works, Limited, wrote the Commission asking for a draft contract showing basis for supply of power at Brockville F. 215b and Cornwall.

on April 6th, 1921, the Commission wrote the company, advising that the following rates for power would be chargeable at the two towns as follows:

	Cornwall	Brookville	
horse-power to 2500 horse-power 2500 horse-power	\$27.00 26.00	\$38.00 Ev	49

AND DESCRIPTIONS OF REAL PROPERTY AND PERSONS ASSESSED. CO CONSTRUCT OF THE PROPERTY PROPERTY OF THE P the this deep a desires of the Countrates and The Sanwall the attention from Comments only within world have been due to the . the Charles of Governments . At this master are deciment over THE REAL PROPERTY AND ADDRESS OF PERSONS ASSESSED THE PARTY HAVE NOT ADDRESS. the state of the same and the same and the state of the state of the same and the s the cr as an acces to Affine out tot in the THE R. P. LEWIS CO. LANSING PRINCIPLES WITH THE PARTY NAMED ASSESSMENT OF THE PARTY NAMED ASSESS AND ADDRESS OF THE PARTY OF PERSONS ASSESSED. THE PARTY IS NOT THE PARTY OF THE PAR and a country was not never by Australia or had part adjust that was distr present state the templeation had no sector because where the where or other addressed our extension for any other party for the that or the contraction of artificial art Contract Late of w 1 12 canceny vinhing to obtain uncomes 新新香港

off since not naturalist off tail and the sor passes of himse weather the collection of the sor passes and the collection of the collectio

OPY FOR ENCLOSURE TO

In addition to quoting rates, the letter detailed the conditions under which the power would be supplied, one condition being that the company would be required to supply a bond in the case of delivery of power in Cornwall.

2135 p.5.

It will be noted that at that time no bond was required if the company located in Brockville, the reason for this was stated by Mr. Jaffrey to be that with the company locating in Brookville the centract for power would be between the Commission and the municipality and any arrears could accordingly be collected from the municipality. 1650

At this time Brockville was paging 355.00 per horsepower, but Mr. Joffrey stated that the increased load taken by the Phillips Company feel Dearse Brackville's power cost to drop very materially. 1652

In July 1921, a by-law was submitted providing an extension of the franchise of the local utility companies controlled by the Sun Life Insurance Company. Representatives of the Commission. Sir Adam Sook, Mr. Gaby, Mr. Hannigan, Mr. Drawry and others, visited Cornwall and addressed meetings, during the campaign prior to voting on the by-law. The expenses incurred by the Commission amounted to \$1,687.48 of F. 107. which \$805.14 were expenses of the Ontario Municipal Electric 温学。 association . The by-law extending the franchise carried.

1670.

On August 20th, 1921, the Commission received a letter from the Phillips Company asking for a proposal for power supply "just outside of the easterh limits of the town" of Cornwall. This letter was acknowledged and a further

P. 2135 p.12. BY.

1672

THE REPORT OF THE PARTY OF THE

The HICKORY AND ARE

indicate reside our sector patency as negligible of has about types and there were not a stable which were a stable of a the total tenter of the property of the second contract the second contract to the second c 7 1.5 Allegant of charge to provide to once add at he to a .

our any hood on on it had an and he on of fliv of salves if the community leaded in decomposite, the related the the was appeal of Mr. Defrent in he that with the nemeral PROPERTY OF HISTORY SERVICES AND SERVICES AND PARTY OF THE PARTY OF TH the compares the contributions of the selection of and the interest site profit and or less and plants of the * * 1

THE THEO THE PROPERTY OF THE PARTY OF THE PARTY OF THE SHARE THE S #智慧 drop wery masorially. lass

the self-trace lightlesses and mal-end a place of neturing of the freezing of the Levil and to migrature amenda in particular and a second of the sec . WE ARE THE TAX AND AND AND AND AREA TO BE ARE AREA FROM THE TAX THE garante as an error of the safe excellent subjects greater had been been way the analysis of the collection of the high quark said the THE THEORY IN SEC. OF THE PROPERTY OF STREET AND SECRETARY * . . ស ។ ត្រូវ និស្ស ព្រះសារ នេះ នៃស្រាស់ ស្រីស ។ សមាសារា នេះ មាន និសិស្ស និង នេះ និង * and the conference of guiller to redeep with a supplication

and and the same of the same o were discussed as yet parties the and appetitely the might be tell **网络主题** ាង ខេត្ត សុខាង ចែល ស្នងកាម្មីដី ១០០ សាលាស្រាន សុខានា ដែល សេដ្ឋានិស្សាល់។ មានសង្គិត ១០១៩ភាព បាន ប្រែក្ 14 10 V gent entre of him became against a set a state of the set of the 1735

OPY FOR ENCLOSURE TO

Letter, dated September 22nd, was written to the Phillips Company in which the estimated rates for power at Cornwall N. Wilson, advantage Among, Statement State Statemer were increased as compared with the rates quoted by the Commission on April 8th, 1921. The new rates for Cornwall were as follows:

1100 Horse-power to 2500 Horse-power Over 2500 Horse-power 29.00

Argust Karen may

\$33.00

報 WA 1682

An existing contract with the Howard Smith Paper Mills, Limited, called for the supply of power by the Commission at the rate of \$27.15 per horse-power for a load of over 1500 horse-power, and an unexecuted contract with the Cornwall Pulp and Paper Company for the supply of power at \$25.00 per horse power for a load of 2000 horse-power.

EV. 1691

When asked why the revision of estimated rates had resulted in increasing them, Mr. Jeffrey on behalf of the Commission stated that the whole situation had changed since the first estimate had been submitted. When asked in what respect he replied,-

"The municipality had extended the franchise of the company (Stormont Slectric Light and Power Company, Limited), and had definitely decided that they would not sign the contract."

By. 1679

He further stated that the change was also due to

". . . the revision of our cost on a ten year basis instead of a thirty, and also on the basis of representations made to the Commission by the Brockville delegation that came to the office and protested that it was unfair to their municipality who had assumed all the obligations in connection with the system that a municipality not having a contract nor assuming any of its obligations should be treated on the same basis. " described the steer where the

BY. 1681 在水水上方面是水水上是加坡的风格的

nglilide ad to the stand of the land of the line was a for the line and the line an

COURSE TO SELECT THE PARTY OF T

named of the present of the late of the parties of

THE REPORT OF THE PROPERTY OF

The anticonomic officers and making bottoment and the contract and the con

of said and a war maddle said food deliver writing all

51

.

4 17

Andri E

.

Mr. Jeffrey also stated that, before the letter
was sent to the Phillips Company quoting an increased rate in
Cornwall, there was a verbal understanding between the Brockville Board of Trade and the company that the latter would
locate in Brockville. Mr. Johnston of Brockville gave evidence
Rv.
to the same effect.

The Phillips Company decided to locate in Brockville, and the town requested the Commission to make the
necessary arrangements on their behalf. This being done the
Commission obtained a bend from the company to cover any
losses that might are up and made the necessary alterations
to permit the increased power load being delivered to the
company, including changes in the lines, extensions, transformer stations, etc., amounting to \$115,000.00 or

1656

It may be asked why the town of Cornwall did not deal directly with the Cedara Rapids Transmission Company instead of with the Commission. The reason for this was explained by Mr. G. A. Stiles as follows:

Ev. 1674 . . .

10.

5, 30, 11 03

Mr. Joilres also educed that, budore the librar the army bearinged an ordered country by If All the way we have now -true on provide arthonizenter laives a see small , threath the market git danks chapter and have black to began will's · "我们的一个我们的一个人,我们们就是一个人,我们们的一个人,我们们就是一个人的人,我们们就是一个人的人,我们们们的一个人的人,我们们们们们们们们们们们们们们

and were all the first of the contract of the contract of and process the second of the second ନ୍ତ ରଚ୍ଚ ଓଡ଼ ଅଫ ଅନ୍ତ ଓ ଅଧିକ ଓ ରଚନ ଓ ଆୟାରୁ ହୁନ୍ୟ ଅଧିକ । The second second second second second all to be a transfer that the first party was a set the terms at was to pay the property of the court of the court of the court of TO THE PARTY OF TH

 The property of the property of the property of the property field. er i i vist de la la la grafia and a la la grafia de la companione de la companione de la companione de la comp plained by Mr. O. A. Oblion as Collows:

"The this greatest the contract and the Tokenser Alest, 1911, he will us at the Dorn The state of the second particles of the state of the sta - ALIE ANALYSIS NAVE NEWS ALSO WAS ARRESTED BY district by while they were yet the play of the array before to a part gale same the array to be and his because the feet that he are properly of be vedical and made ally Lead Free And , that the * 14 4

p 4 - 1 a

. TO 188

Î.

4 97 1 在學術家 This belief was strengthened by a letter from Mr.

F. A. Gaby, Chief Engineer of the Commission, dated February

24th, 1921, and addressed to Mr. John A. Chisholm, Mayor of

Cornwall, confirming Mr. Jeffrey's statement that the

Commission would take charge of all increases in power in

the district and that the company would not compete with

the Commission. The letter is as follows:

Ev. 1675

"John A. Chishelm, Mayor of Cornwall.

Dear Sir:-

On the return of Mr. Jeffrey to the office, I am informed by him that you are anxious to know the understanding between the Commission and the Codars Mystes Company with regard to the supply of power to your municipality and the district adjoining. I wish to confirm Mr. Jeffrey's statement that there is an understanding between the Commission and the Codars Mapids Company to the effect that the Commission will take charge of all increases for power in this district including your municipality, and that the company will in turn not compate with the Commission.

(Signod) F. A. Onby,

Chief Engineer."

Hr. H. C. F. Poste. Manager of the St. Lawrence
Power Company, a subsidiary of the Cedars Rapids Transmission
Company, stated that in 1921 he accompanied a deputation from
Cornwall which interviewed the Cedars Rapids Transmission

VIALLS OF RESIDENCE AND ADDRESSES NO. OR

wetter, reserve

"好!

the Commission. The latter is as fellows:

and the standard distribution of a standard and the classical and the company at the classical and company and the classical and

(digned) N. A. Soby.

" and the contract of the cont

ornamed di sit sit to regamble desert in the land desert of the land of the la

38

Company, and that they were told by the President of the company

ASSESSMENT AND ADDRESS OF THE PARTY AND PARTY AND PARTY AND ADDRESS.

". . . that they (the company) did not know of any contract between the Hydro or the Cedars Rapids would not supply power."

Er. Posto stated:-

"The president said that if the Town of Cornwall needed power and could not get it any other way, the Cedars Rapids Transmission Company would furnish it for them."

Bv.

It was stated by Mr. Stiles that during interviews with the Cedars Rapids Transmission Company assurances had been given from time to time that power would be provided by the company for industries in Cornwall.

e to a make the man Africa in the end of the state

Ev.

When questioned at the hearing as to the contract between the Commission and the company. Mr. Jeffrey said:

"My understanding is that there was not even a letter, just a verbal understanding with the company."

Ev.

At the public hearing, Mr. Gaby was asked if he had satisfied himself as to whether or not there was a written agreement, and his reply was that "letters are being looked up by the staff... to see what they can get". To date so further information has been received from the Commission in connection with the matter.

Ev. 2265

While a number of witnesses at the public hearing expressed decided opinions to the effect that the Commission

The second second second

COPY FOR ENGLOSURE TO

University and that that were tell no the relations of the tell to the expension

\$4. * PAT OLIV QUE TO \$6. * PAT OLIV \$ \$70. * PA

The second of the second with the second sec

TO THE STATE OF STATE OF STATES AND THE SECURITIES OF MANY.

er to be a real of the painter office and the

A CALL DESCRIPTION OF THE PROPERTY OF THE PROP

release allerg of the appropriate to grant a cile.

W &...

*, * * ; *

g 5' 1,

* 1

discriminated against Cornwall by impreasing the rates queted for power to the Eugene F. Phillips Electrical Works, Limited, following the decision of the town to continue private ownership, it should be pointed out that the Eugene F. Phillips Electrical Works, Limited, through its managing director, wrote the following letter to the Chairman of this Commission:

"In connection with the inquiry being held in Cornwall tomorrow, I may say it was suggested by Mr. R. A. Ross, one of the members of your Commission, that we should have a representative at the meeting to explain the reason of our selecting Brockville in preference to Cornwall for the establishment of a factory.

LEVIS ABOUT PAR 121 May Got Star that their sprints still

After having a number of prospective sites reported on in the Provinces of Quebec and Ontario, we decided that the most suitable one for our purposes was a very desirable site held by the Sun Life Company just east of the town limits of Cornwall.

Provious to this we had inspected a site located at the north end of the town of Brockville, which was not at all suitable for our requirements.

about the time that we were making the final decision in favor of Gernwall, we were approached by officials of Brockville to know whether it was too late for them to offer a counter-proposition, as they claimed they had a most desirable property on the western limits of their town which could be obtained for approximately the same price as that asked by the Sun Life Company.

I personally inspected the site in question and found that while the property was not as large as the Cornwall property, it had many added attractions - among which I may mention the fact that the town were property and give us fire protection, both of which we would have had to provide at Cornwall.

Corporate succession was billiand the Committees are party on

There were only two questions left, vis: railway facilities and the cost of power.

A TOTAL AND MAINTANA OF MANY COLUMN AND MANY OF MANY COLUMN AND MANY COLUMN AN

THE THE THE TENERS OF THE TENE

The state of the s

so admend ask a histograph has no said as to divert

SERVE BEE ROLLE TO THE CONTROL OF TH

there care had not exercised left, wise subless; the titless of the

The Brockville property was served by the Canadian National and Grand Trunk, but I was anxious to have service from the Canadian Pacific also, which the town offered to provide in the event of our deciding in their favor.

As regards the cost of power, you no doubt have the figures before you which show that we are paying \$35 per h.p. per samum for 1100 horse power up to £500 horse power and \$31 per h.p. over that amount; while the rate for Cornwall was \$35 and \$29 respectively.

Even though the cost of power for Brockville was slightly higher than that offered for Cornwall, after carefully weighing the advantages and disadvantages of the two towns, we decided in favor of Brockville, as the staff of the company who had visited the tenh unanimously agreed that Brockville would be a more desirable place from a residential viewpoint.

tours very truly,

there is not not take to his desired that they are

(Signed) Lawford Grant,

Hanaging Director."

Relations between the Commission and the M. F. Beach Commeny of Iroquois

nishing power to the Village of Iroquois and to the New York and Ontario Power Company at a rate below \$12.00 per horsepower. The Commission purchased this same power from the New York and Ontario Power Company at a rate of \$14.00 per horsepower. When the Commission began taking power directly from the Beach Company, \$12.00 was considered by the Commission a fair price and payment was made at this rate during the period from April 1st, 1916, to April 30th, 1919. Concurrently Mr. Beach was billing the Commission for power at

sorvies than the Canadina Pacific also, which the sows toward to provide in the ovent of our decining in their shore.

THE ATTEMPT OF BUILDING STATES OF THE STATES

tone your sandy,

... (Blanca) Lawrence Crant.

Tarastonali galamani ...

minute of manufactures and and along the state of the sta

The contract of the period of

\$16.00 per horse-power and he brought suit in the amount of \$8,190.78 (with interest from the date of issue of the writ of summons, February 18th, 1922) against the Commission to recover the difference between \$12.00 and \$16.00 per horse-power for power furnished.

P.W.

was appointed arbitrator "to determine what reasonable and just price should be paid to the plaintiffs for the power furnished by them to the defendant from May 1st, 1916, to May 1st, 1919, and to fix the amount due the plaintiffs by the defendant after deducting the sum already paid the plaintiffs by the defendant after deducting the sum already paid the

The following are extracts from the report of the arbitrator, dated February 15th, 1923:

"Under date of May 6th, 1916. Beach notified the
Hydro that in the absence of immediate acceptance
of his price, negotiations would be considered offthe inference being that the power supply would be
discontinued.

In a letter dated May 12th, 1916, the Hydro acknowledged receipt of this letter and inserted therein
the statement that in the absence of an acceptance by
Beach of a contract for ten years at the rate of
\$13.00, the Hydro 'will be compelled to take such
steps respecting the acquiring of your power as they
may be advised'."

EV.

, ;

TOU LO BEE BEE OF LE SWEET BEEFE OF LE SOUT TOUR CONTRACT CONTRACT

ARRESTS AN EXPERIENCE OF ALL ARE ARRESTS TAKED THE

and the state of the second and the

aror

中間 雪

a dit a Cit

OPY FOR ENCLOSURE TO

"In determining the value of the power supplied, it is obvious that inasmuch as the power was taken by the defendant more or less against the will of the plaintiffs, it would be unjust to ask the plaintiffs to accept in payment for this power an amount of money less than its cost to him - taking into account all the elements of cost involved."

3..

On this basis, therefore, the arbitrator directed that the Commission pay to the executors of the Beach estate the sum of \$51,861.75, representing the unpaid balance of the value of the power purplied, interest being included to February 15th, 1923, and that the Commission also pay the cost of the action in the Supreme Court of Ontario, the costs in connection with the agreement to submit to arbitration, the costs decision was given though the claim submitted by the company only amounted to \$8,190.78 with interest from February 18th, 1922.

THE REAL PROPERTY WATER THEFT AND THE PARTY WATER STATE SHAPE

by the second pollutted, many court for

CALIFORNIA SERVICE

200

. . .

e age to anima out the indepent to

31.

The contract of the section of the Supreme Country of Ontario, the costs of the cos

en egiskur en forskriver i forskriver en konstruktioner en konstruktioner en konstruktioner en konstruktioner

the state of the s

SUNMARY

In the foregoing sections of this report comment has been introduced from time to time to make the various statements clear. In addition to statements of fact obtained from the Auditors' and Consulting Engineer's reports, a considerable amount of evidence has been quoted in connection with the various claims advanced by the witnesses who gave a malematem deeps Alm Accountion evidence in connection with this system, and it is believed that the evidence quoted fairly represents the claims and counter-claims made in convertion with the contentious matters brought to the attention of the Commission. In order to direct attention to the matters on which the Commission may desire to give decisions hereunder is given a brief summary of the points which appear to require special 16 7 11 F 3 M consideration.

DAVE AND ADSOLUTE OF THE OWNERS.

1. Commission does not generate power - ("Physical" - p.4.)

It is to be noted that the Commission does not generate power distributed throughout this system, but acts only as a purchaser and distributor of same for all of the municipalities included in the system.

2. Capital Investment - ("General Economics" - p.7.)

It is to be noted that capital investment of \$854.193.53 is all represented by works and structures, no intangibles being included. It is also pointed out that if

· MINTER IN

, i

The test of the second second

Silient Junet ont - ("Conoral Roomands" - p.7.)

Silient same contract to the silient same contract to

municipalities included in the againment

6 5 m . 15 A m

the extensions contemplated are completed during the current year at the estimated custs, at the close of the fiscal year 1928, the capital investment will amount to approximately 21,250,000.00.

3. Reserve for Renewals - ("General Recommics" - p.9.)

PRINT I WILLIAM STREET PRINTED BY LAND SPATIAL VALUE OF

The Commission reduced the annual rate for renevals

from 4% to 3% making the change effective from the inception

of the system to October 31st. 1921. This adjustment resulted

in a reduction of \$17.702.68 in renewal reserve, correspond
ingly reducing the cost of power to the municipalities. Taking

this adjustment into account, the balance in the reserve for

renewals at October 51st. 1921, amounted to \$76.369.49. Our

Conculting Engineer points out that this amount is somewhat

larger than is necessary.

4. Sinking Fund ("General Economics" - p.10)

Reserve for sinking fund has been provided for in the cost of power in accordance with the Power Commission Act to form in thirty years, with interest at 4%, the amount of capital invested.

5. Reserve for Contingencies - ("General Economics" - p.12)

In addition to an annual charge of 25¢ per horsepower on the average amount of power supplied (excepting in
the year 1920 when the rate established was \$1.50 per horse-

THE REPORT OF THE PARTY OF THE

Later - The later was a standard of the same training to the same of the same

I The of a consist the exert in any partitly of

as no lest con the distance of the contract of

(Aleg - Tocheson formall) - galage plant was parent of

or the first of the second for a second of the life below the

uk sultquan) bukipan mesenjin diland manava salt ne yang Pertod tot 18.20 par I distillari melan das dasi kasi nang bik power) other amounts representing profits realized on sales of miscellaneous equipment have been used to augment this fund. Er. "alter J. Francis points out on page 45 of his report that the reserve for contingencies should be augmented from the present amount of \$3.372.65 to \$12,000.80 or \$15,000.00, and that such increase should be built up by increasing the annual allowance in respect of this reserve.

THE OWNER LAND INC. DEVEL LANDING OF PLANSAGE AND AND ADDRESS.

6. Accounts with Municipalities - ("General Sconomics" - p.12-14)

- (a) The balance of power accounts receivable at October 31st, 1921, amounting to 340,295.61, represent unpaid balances in respect of interim power bills for that year. It is found that all of these accounts were paid prior to september 20th.
- debit balance amounting to \$18.634.74 against ten municipalities in the system. As at this date under the provisions of Section 23a of the Power Commission set, three of these municipalities were in default of the payment of their power bills inasmuch as some of the balances due extend back to the first year of operation, and beyond the three year limit as authorized by the Act.

7. Results of Operation - ("General Economics" - p.14)

The financial statements on the operations of the system show that in the year 1918 no loss was sustained. In

141111111111

TRIAL TO CORGEOU AL ROMANDALLA LAMBOR GAS MULARAGUO

Today of the second of the sec

mostoca to amojolvovo, and volum esab alab da a. eme ejsklaglolana enedt to eeras "see meinelanee veno"

tales - "poleonood Loronoo") - <u>Bolluteng Ro erluppid</u> . Comp 'to and literage only no assessment of the company of the compan

the years 1919 and 1920, lesses of \$1,114.00 and \$3,167.00 respectively were experienced in furnishing power to private companies, such lesses being absorbed by and transferred to the Centingency Reserve Account, thus reducing the security represented by this account to the extent of ever \$4,000.00. In 1921, the less sustained in furnishing power to private companies amounted to \$1,415.00, but this less was charged direct to the municipalities in their power bills.

8. Power Costs - ("General Roonomies" - p.15)

The cost of power based on the horse-power billed in accordance with condition before adjustment was made in renewal rates, increased from \$38.70 per horse-power in 1918 to \$50.40 in 1921, representing an increase of approximately 30% during that period. When the adjustment in renewal rates was made this range in cost per horse-power was changed so that the figures obtaining as at October 31st, 1921, showed a range in price from \$36.29 per horse-power in 1918 to \$50.40 in 1921, or an increase of 38%.

The reduction of the renewal reserve had a material effect on the cost of power resulting in a reduction of approximately \$2.50 per horse-power.

as an illustration of the operation of the system as a whole during the period of 1918 to 1921, revenue based on interim power bills failed to meet operating expenses and fixed charges in the amount of \$17,784.00. However, this amount is subject to a reduction of \$10,484.70 as shown on page 16 of

. . . .

BO THE AND REAL PROPERTY OF REMOTE AREA TO A WAY A WAY AND what has no specie policy local to be made better mean absolute property or hearly count has no hardware more extent days and charge .00.200,80 vere to exerce as the second to the conis again, any dame constitute in correctables proper to detains Deposits and their state and while the applicable to be applicable and response status to the contained that and as such

Lates - "industrial Liverson" -- named brown, at

"Audited there's need all all bened thing to read the all mine new from todate average a folio ango fici a apealche an all MINE OF SUCCESSION OF STREET SHARE AND VALUE OF STREET PROPERTY. pletoninengs to occupant to presenting alies at march at nature Lawrence of Communical and order advisory wash prigons into the deposite the result and the part of the part of the part of the part of the single property of the authority of the property of the state of t CALVES OF RIVE AS WEST TOP THE THE REPORT OF THE LAST OF THE PARTY OF in leni, or an ingrease of seg.

Injuryou a first ground famelog and in sufficient and the delication with president terms of the add no leader aggeralmagely drawn our barrier process

entury and he madenance may be neglected as alno beard newses within my pivil me histor and maken where m and tends for suparger printings rain as heller alter years of versi al deriver white adjectively advisory to be termed and an expense To All many are named to DrubbigGLD by made on all testings this report due to the revision in the renewal charges to October 31st, 1920.

CHARLEST, SEE THE SELECT APPROPRIATE WHEN HE AS AND

9. Estimated Power Leads, compared with Actual Power Loads - ("General Scenemics" -p.19)

Disregarding all municipalities in which loads were not estimated and municipalities which had not been in operation for a full year, the estimated loads on which estimates as to the cost of power were submitted, exceeded the actual yearly average load by approximately 46%.

somer graces from Aldreits he Williams

10. Comparison of Estimated Cost per Herse-you's viel ctual Jost per Rosse power | - ("General Mconomics" -p.20)

Disrogarding these municipalities that have not been in operation for a full year, the actual cost of power to the municipalities has exceeded the estimated cost in all cases. This excess cost has ranged from 31% in the case of the municipality of Prescott to 141% for the municipality of Winchester.

In addition to the municipalities referred to above, the Commission began supplying power to Alexandria, Apple Hill, Lancaster, Martintown and Maxville, and during the broken period ending October 31st, 1921, the cost of power to these municipalities resulted in rates ranging from 86% to 248% in excess of the estimated cost. It is stated that PRINCIPLE these increases are due to the estimated loads not being that Properties of Corps reports to privately along print

0.5 35 34, 5.5 34 34 54

NA

s. Large de Careller ell la calaire e es la calaire de Carella relacare de la calaire de la calaire

The second control of the second control of

realized, and the capital investment being out of all proportion to the amount of power consumed. As an example it is to be noted that in the village of Lancaster, the rate is \$337.65 per horse-power, the fixed charges included in this rate amounting to \$208.15 per horse-power.

11. Power Purchased ("General Economics" - p. 18)

The horse-power purchased for the system increased from 541 horse-power in 1918 to a total of \$,096 horse-power for the year 1921. The rates paid by the Commission for this power range from \$12.00 to \$15.00 per horse-power.

12. Population Served and Y"General Economics" - p.24)

She combined population of all municipalities served by the St. Lawrence System is 75,000 persons. The ratio of consumers to population as of October 31st, 1921, was about 20.5%. As pointed out the load during the period 1915 to 1918 was less than 500 horse-power, but, since that date, the load has grown with considerable rapidity and for the year 1922 the amount of power used on the system was 4908 horse-power. It is probable that, with the addition of the Eugene Phillips Campany's load in 1925, a peak demand of possibly 7,000 horse-power will be reached.

15. Future Sources of Power - ("General Economics" - p.26-31)

The report of our Consulting Engineer indicates that comparatively large capacity in privately owned power

30 80 50 - 4 803 Y

If in a person of the least term of the latter of the latt

-V as we shower Loaner / Award as Birth at a

THE RESIDUAL CONTROL OF THE PARTY AND DESCRIPTION OF THE PARTY AND THE P

THE THE PARTY OF T

 plants could be made available for the district. On account of representations made it would appear that some consideration should be given the question as to what is to be done with the privately owned developments in the district. If the private companies continue to operate, it has been pointed out that this will result in duplication of transmission lines in certain parts of the district. Such condition would also place the Commission in direct competition with private enterprises.

purchase the rights of the developments owned by private companies, they would be raced with the problem of operating a
number of relatively small plants, whereas their substation
construction and transmission lines have been built with the
intention of continuing to purchase all power required from
the Cedars Rapids Company.

14. Commission's Relations with the Jity of Cornwall - ("General Relations" - p.52-40)

Under the provisions of the Power Commission Act
the Commission is authorized after obtaining a formal resolution from a municipality to furnish estimates with respect to
the cost of supplying that municipality with power. Buch a
resolution was sent to the Commission by the City of Cornwall
in 1912, but at that time the Commission was not in a position
to supply power. In 1921, the Commission was asked by the
Mayor for further information as to the power situation, and

5" W. W. W. C. S. W.

The state of the company of the comp

LEG-SER - "Americalar Laneauchy - Element to with her

PY FOR ENCLOSURE TO

AT THE PARTY OF TH

Mr. Jeffrey of the Commission visited Cornwall and pointed out that power was available and that any arrangement made for power in the district would of necessity be under the Power Commission Act.

In July, 1921, a vote was taken in the City of Gornwall with reference to the renewal of the contract with the Stormont Electric Light & Power Company, Limited, and it would appear from the evidence that the Commission took a very active part in the campaign at the request of an association known as the "Citizens League". The expenses in connection with the offerts made by the Commission to defeat the by-law authorizing the extension of the franchise amounted to approximately \$1,600.00 of which the sum of \$805.14 was incurred by the Ontario Municipal Electric Association. The latter amount did not come out of the funds of the Association, but was paid to the Association by the Commission who in turn charged the amount to the Province. It would appear that there is no legal authority for the Commission to expend the sum of \$1,600.00 in the first place since the Commission visited Cornwall at the request of the Citizens Loague only; or to re-imburse the Ontario Municipal Electric Association at the expense in effect of the Province, and it is a matter of opinion whether or not it is proper for the Commission to enter into a campaign of this nature.

, .

1. 1. 1. 1.

To this als of earst our espect a think along the the abstitute the time and the state of the service and under medical make only only composite and even easing although ala very hallys park in the cases of his request of me the first till a bit of a market at a grown and an excitation a at male than the property of your polytrage residences as and និងស្ថាន នៅថា ដែល នៅសមន័យ សមានការប្រជាជនជាក្រើម៉ូន៉េកា បានសិក្សាថា សុផ្សា និងសុធាថា The Edit of the case of a contract of the cont add to court out to fell acre you all accepted was day to Assertables, our was paid on the American by the Developing If you to pate that are an area of beyond over all name And otherway and therebases as a second or at employed a second all entry scall royll and at the whally he man and thegas or anaciett sain he recuped our to Timesent meginty autentions elegants invintes, alwares off oresistes to an author sapaul AND THE PROPERTY WAS NO BENEFIT OF ASSESSED AND BE THE PROPERTY. ell all to die . I is son no as serie grandje to mission . is oculation of the solution of a state of a season

PY FOR ENCLOSURE TO

Bugene Phillips Company were unduly influenced by the Commission and virtually forced to locate in Brockville, the evidence is not altogether clear and no proof has been submitted which would seem to indicate that such was the case.

In connection with the alleged discrimination against Cornwall as regards the rates quoted to the Eugene Phillips Company, it would appear that the Commission exercised certain arbitrary judgment in this matter and in support of their action claim that they were doing so in the interests of other municipalities already on a Hydro basis.

of rates quoted to the City of Cornwall, the Commission advised the City that it would be impossible for them to obtain rates from the Codars Rapids Company as an agreement between the Company and the Commission prevented the Company from competing with the Commission. The Commission has failed to provide us with the details of this agreement, and in view of the fact that the President of the Codars Rapids Company denied knowledge of such an agreement when approached by a deputation from Cornwall, it would appear that the Commission's action had the effect of misleading the City and would thus prevent the City from securing competitive rates.

eralists from the required the entre character to the larger that the desirate and the entre of the entre of

and animitable beneath and the solvemence all

To seal to the design at the state of the seal of the

52

In connection with the matter of quoting rates to
the municipalities, it would appear to be quite proper for the
Commission to give Hydro municipalities the preference, inasmuch
as the municipalities are eventually responsible for the success
of the undertaking. On the other hand, it must be borne in mind
that every municipality in the Province of Ontario bears its
share of responsibility with respect to expenditures made, and
a certain element of unfairness enters into any discrimination
that is made in the matter of rates quoted, such as in the

15. Relations with the K.F. Seach Co. - ("General Belations" -p.40)

appear to be necessary, except to point out that the arbitrator rendered a decision in favour of the M. F. Beach Company whereby it was awarded the sum of \$51,861.75.

whereas the amount of the claim was only \$8,190.78 with interest from February 18th, 1922. The Commission admitted a liability of \$78.00.

The best of the country of the property of the

of Committee by the Committee of Anny Atlanta, 1981, 1

es bodar emisors to bodrom and dole no italianes al

The roll

200

(Ober- "empleated fareset")- at

in the read from followery like, 1922. The Commission admitted

been signified on a proudy by the require

ADDANDA

It has just recently been brought to our attention that the Commission has made substantial reductions in the renewal rates charged in various systems, and that such reductions have been made retroactive to the date of first operation.

In connection with this change, Mr. Brown, of Messrs.

Price, Waterhouse & Company, has submitted a memorandum which
in part reads as follows:

Memorandum re Reduction of Menewal Eates on the St. Lawrence System

"On December 20th, 1922, the Commission passed the following Minite reducing the renewal rates on the St.

Lawrence System:

'The Chief Engineer having recommended a revised depreciation rate calculated on the basis of the life of the equipment, also having advised that this matter had been taken up with Er. Francis and approved, it was decided that the depreciation rate for the St. Lawrence System should be fixed at 2 per cent. and that this rate be made retroactive to date of first operation.

The rate used by the Commission was 5 per cent.

which has been reduced to 2 per cent. as stated above.

This revision has the effect of reducing renewal charges approximately 35 per cent.

I have been informed by the Hydro-Electric Power

Commission that the effect of this revision has resulted in

a reduction in the renewal reserve of approximately \$25,400.00

ARRESES.

enggang and the court and any additional states of the court of the states of the stat

panaliok as chaus drag si

DESCRIPTION OF SERVICE OF STREET

The sea on reserving and depth of the season of the

Lauranne dyntana.

n konach ank Sibèn qu nuini neud bad nusenu ubidi

The second control of the second control of

THE DESCRIPTION OF THE PARTY OF THE PARTY AND THE PARTY OF THE PARTY O

of which \$22,600.00 has been applied as a credit to the malcipalities, and \$2,800.00 as an addition to the centingency reserve. The amount of \$22,600.00, credited to the municipalities, has the effect of reducing the cost of power to them during the entire period of operation to October 31st.

1921, and would have the effect of reducing the balances owing by them at October 31st, 1921, and in a few cases changing the debit balances to credit balances.

The operating figures shown in the report are also subject to revision, especially the annual cost per horse-power.

The balance in the contingency reserve at October 31st, 1921, was \$3,372.00 which together with the addition of \$2,800.00 arising from the reduction in the renewal reserve will bring the contingency reserve to approximately \$6,172.00, which is about 50 per cent. of the amount which Mr. Francis believes should be held in reserve for centingencies on this system.

The contentions of Mr. Guilfeyle in respect of changes in the renewal reserve on the Eugenia System are also applicable to this system. These contentions are that Mr. Guilfeyle has pointed out the necessity of giving effect to the adjustment in the reports made by this Commission as it changes the results of operation to a considerable extent."

.

which the state of the second description of

The and the serve was taged and the terms of the servers as apparentant of the servers and the servers as a server as

The destence of his form of his form is a respect of

In view of instructions given no attempt has been made to recast the figures in order that they may conform with the changes recently made, but it is pointed out that in reporting to the Government some reference should be made to the reduction that has been made in the renewal reserve account.

COPY

MANUFACTURE PROPERTY.

**

THE PERSON OF TH

en de la companya de

1100







